



DJI MATRICE 600 PRO Release Notes

Date :	2017.10.24
Aircraft Firmware :	V 1.0.1.65
DJI GO App :	iOS V 3.1.18, Android V 3.1.11
DJI Assistant 2 :	V 1.1.6

What 's New?

Aircraft Firmware:

- Increased flight safety.
- Fixed issue of output error when F channel input is 0.
- Fixed issue that part of the flight record has been lost.
- Fixed issue where the abnormal heading is displayed incorrectly in the DJI GO app when using the A3 Pro flight controller with D-RTK.

Notes!

- No Intelligent Flight Battery firmware update required.
- Aircraft settings will be reset after firmware update. Remember to reconfigure the settings.



DJI MATRICE 600 PRO Release Notes

Date :	2017.08.16
Aircraft Firmware :	V 1.0.1.60
DJI GO App :	iOS V 3.1.14, Android V 3.1.10

What 's New?

Aircraft Firmware:

Aircraft Functions

- For increased safety, the flight is restricted to a height of 30 m and distance of 50 m when not connected or logged into the app during flight, including DJI GO* and all apps compatible with DJI aircraft.
- Aircraft will now exit Return to Home (RTH) if GPS signal is weak and re-enter RTH if GPS signal is regained.
- Added motor collision detection at low altitudes. The aircraft will stop the motors if a collision is detected while the aircraft is at an altitude lower than 2 m above the takeoff point.
- Added customized Playback and Record button functions on the remote controller that can be mapped in DJI Assistant 2 software.**
- Added compass interference and ESC error displays to DJI GO* and warning alarms for the remote controller.
- Added a function that detects whether or not D-RTK antennas are installed correctly.
- Added an Aircraft Status Indicator display for D-RTK signal quality. The LED will blink red (alternating with the flight mode pattern) if signal is weak.
- Disabled control smoothing when switching from P-mode to A-mode.
- Updated no-fly zones.
- Optimized no-fly zone whitelisting.
- Optimized distance limitations, which are disabled by default and can be enabled in the app.
- Optimized propulsion output.
- Fixed an issue where the aircraft could automatically takeoff and land when idling on the ground.
- Fixed a rare issue causing battery level calculation errors.
- Fixed an issue leading to invalid GPS signatures.
- Fixed issue where D-RTK data in the DJI GO app displayed incorrectly.
- Fixed altitude drops caused by lost D-RTK data during Waypoint flight with the DJI GO app or DJI GS Pro.

(Continued on next page)

*The latest version of DJI GO is required.

**Soon-to-release DJI Assistant 2 software is required.

<http://www.dji.com/matrice600-pro>



DJI MATRICE 600 PRO Release Notes

(Continued from the first page)

Onboard SDK Functions (v3.3 is required)

- Added multi-functional channel outputs and inputs.
- Added several options that allow more data to be pushed, including a high-frequency (400 Hz) push setting.
- Users can now subscribe data.
- Enhanced interface sampling synchronization for external sensors.
- Updated takeoff, landing, and RTH interfaces.
- Added angular rate control.
- Optimized logic for regaining control.

Notes!

- No Intelligent Flight Battery firmware update required.
- Aircraft settings will be reset after firmware update. Remember to reconfigure the settings.



DJI MATRICE 600 PRO Release Notes

Date :	2017.05.02
Aircraft Firmware :	V 1.0.1.20
Lightbridge 2 Air System Firmware :	V 1.1.60
Remote Controller Firmware :	V 1.2.10
DJI GO App :	iOS V 3.1.10, Android V 3.1.5
DJI Assistant 2 :	V 1.1.1

What 's New?

Aircraft Firmware:

- Added support for version matching between DJI Assistant 2 and flight control system.
- Added SDK activation through DJI Assistant 2.
- Added GPS information recording when taking stills with a third-party camera connected to a Ronin-MX and Matrice 600 Pro.
- Improved barometer self-checking.
- Optimized motors initialization.
- Optimized GPS information encoding.
- Optimized battery cell voltage difference detection.
- Optimized the switching mechanism for the redundancy system.
- Optimized redundant ESC signal transmission detection.
- Optimized SDK communication logic.
- Optimized aircraft attitude control in the SDK.
- Optimized SDK activation and version matching.
- Fixed incorrect altitude control definitions in the SDK.
- Fixed an issue where whitelisted No Fly Zones couldn't be unlocked.
- F1 to F8 channel values for the flight controller will now remain unchanged after remote controller is signal lost.

Lightbridge 2 Air System & Remote Controller Firmware:

- Optimized video downlink to improve AV input display quality in low latency mode.

(Continued on next page)



DJI MATRICE 600 PRO Release Notes

(Continued from the first page)

Notes!

- Intelligent Flight Battery firmware update required.
- Be sure to use the latest version of DJI Assistant 2 to configure the Matrice 600 Pro.
- Ensure that the remote controller and Lightbridge 2 Air System have the latest firmware.
- Aircraft settings will be reset after firmware update. Remember to reconfigure the settings.



DJI MATRICE 600 PRO Release Notes

Date :	2017.02.14
Lightbridge 2 Air System Firmware :	V 1.1.50
Remote Controller Firmware :	V 1.2.00
DJI GO App :	iOS V 3.1.5, Android V 3.1.3
DJI Assistant 2 :	V 1.0.9

What 's New?

Firmware:

- Added support for the Matrice 600 Series Remote Controller Channel Expansion Kit.
- Added support for switching gimbal operation modes when using the Ronin-MX on Matrice 600 Pro using the slave remote controller (requires the latest Ronin-MX firmware).
- Fixed an issue causing a blurred screen.



DJI MATRICE 600 PRO Release Notes

Date :	2017.01.05
Aircraft Firmware :	V 1.0.0.80
DJI GO App :	iOS V 3.1.2, Android V 3.1.1
DJI Assistant 2 :	V 1.0.9

What 's New?

Firmware:

- Added Front LEDs ON/OFF option in the DJI GO app.
- Added support for the Matrice 600 Series Remote Controller Channel Expansion Kit*.
- Added support for 2195 propellers (2500m above Sea Level only).
- Added channel mapping for the camera shutter in the map application, and GPS information recording when taking stills.
- Optimized flight control performance.
- Optimized IMU calibration functions.
- Optimized compass error check functions.
- Optimized the smart ECS communication check functions.
- Optimized the switching mechanism for the redundancy system.
- Optimized SDK data pushing.
- Added support for switching gimbal operation modes when using the Ronin-MX on Matrice 600 Pro using the slave remote controller (requires the latest Ronin-MX firmware).

Notes!

- Be sure to use the latest version of DJI Assistant 2 to configure the Matrice 600 Pro.
- Aircraft settings will be reset after firmware update. Remember to reconfigure the settings.
- No Intelligent Flight Battery firmware update required.

* Soon-to-release remote controller firmware is required.

<http://www.dji.com/matrice600-pro>