DJI N3 Release Notes

Date :	2019.06.18
DJI GO App Version :	iOS V 3.1.54, Android V 3.1.52
DJI Assistant 2 Version :	DJI Assistant 2 for Autopilot V 2.0.3
Flight Controller Firmware Version :	1.7.7.0

What's New?

• Added a communication baud rate of 1M for onboard SDK.

• Fixed occasional issue: the aircraft could not land automatically after reaching the Home Point during RTH.

• Fixed issue: after setting the PWM signal to the F channel and restarting the flight controller, the F channel would output a minimum value before the preset value.

• Fixed issue: when the remote controller signal was lost, the input for all the channels were cleared. Now only the input for A/E/T/R channels will be cleared.

• Fixed issue: when using a SBUS receiver, the aircraft could not exit Course Lock.

• Fixed issue: when mapping two channels using an SBUS receiver, the configuration could not be saved.

Notes!

• Make sure to update the DJI Assistant 2 for Autopilot before updating firmware.

DJI N3 Release Notes

Date :	2018.08.14
DJI GO App Version :	iOS V 3.1.42, Android V 3.1.43
DJI Assistant 2 Version :	DJI Assistant 2 for Autopilot V 2.0.0
Flight Controller Firmware Version :	1.7.6.0

What's New?

- Added a PWM signal output to F-channel in Waypoint Actions.

- Optimized control parameters for smaller aircraft.

- Added several data subscription items.

- Fixed an issue where the aircraft will sometimes not fly to the next waypoint.

- Fixed an issue where the output of the F-channel is abnormal when used with the Matrice 600 Series Remote Controller Channel Expansion Kit.

Notes!

- DJI Assistant 2 for Autopilot v2.0.0 is required for this firmware update.

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DJI N3 Release Notes

Date :	2017.06.15
DJI GO App Version :	iOS V 3.1.11, Android V 3.1.5
DJI Assistant 2 Version :	1.11
Flight Controller Firmware Version :	1.7.1.5

What's New?

Firmware:

- N3-equipped aircraft will now exit Return to Home (RTH) if GPS signal is weak and re-enter RTH if GPS signal is regained.

- Added ground collision detection. The aircraft will stop the motors if a collision is detected.

- Control sensitivity will now reduce automatically if the aircraft is not maintaining altitude stably.

- Enhanced compass interference prevention while hovering.

- Updated no-fly zones.

- Optimized no-fly zone whitelisting.

- Optimized distance limitations, which are disabled by default and can be enabled in Assistant 2.

- Optimized motor acceleration and deceleration when pulling down the throttle stick to land.

- Optimized accelerometer driver performance.

- Fixed an issue where the aircraft could automatically takeoff and land when idling on the ground.

Onboard SDK (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 (400Hz) 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.

- Added multi-channel hardware synchronization support (with the latest version of DJI Assistant 2).

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Notes!

- Ensure that the Lightbridge 2 Air System and Ground System are on the latest firmware version.

- Use the latest version of DJI Assistant 2 to configure the flight controller.

- Flight controller settings will be reset after firmware upgrade. Remember to reconfigure the settings.

- Upgrade your iOSD MARK II firmware before use.

DJI N3 Release Notes

Date :	2017.01.18
DJI GO App Version :	iOS V 3.1.2, Android V 3.1.1
DJI Assistant 2 Version :	1.0.9-2
Flight Controller Firmware Version :	1.7.0.0

What's New?

Firmware:

• Added support for version matching between DJI Assistant 2 and flight control system.

• Optimized the DJI Assistant 2 backup and recovery functionality.

• Optimized SDK activation and version matching.

• Optimized mobile SDK and onboard SDK communication logic.

• Optimized N3 activation function.

Notes!

• Ensure that the Lightbridge 2 Air System and Ground System are on the latest firmware version.

• Use the latest version of DJI Assistant 2 to configure the flight controller.

• Flight controller settings will be reset after firmware upgrade. Remember to reconfigure the settings.

• Upgrade your iOSD MARK II firmware before use.

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DJI N3 Release Notes

Date :	2017.01.05
DJI GO App Version :	iOS V 3.1.2, Android V 3.1.1
DJI Assistant 2 Version :	1.0.9
Flight Controller Firmware Version :	1.1.1.00

What's New?

Firmware:

- Added support for Lightbridge 2 Remote Controller Channel Expansion Kit*.

- Added channel mapping for the camera shutter in the map application, and GPS information recording when taking stills.

- Added support for starting the motors individually.

- Optimized control performance to support for larger aircraft.

- Optimized the switching mechanism for the redundancy system.

- Optimized Ground Station.

- Optimized SDK data pushing.

- Optimized the smart ESC communication check function.

- Optimized the takeoff protection mechanism when there is compass interference.

Notes!

- Ensure that the Lightbridge 2 Air System and Ground System are on the latest firmware version.

- Use the latest version of DJI Assistant 2 to configure the flight controller.

- Flight controller settings will be reset after the firmware upgrade. Remember to reconfigure the settings.

- Upgrade the iOSD MARK II firmware before use.

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

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