**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

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**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.

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**Notes!**

- Make sure to update the DJI Assistant 2 for Autopilot before updating firmware.
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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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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.
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Date : 2017.01.18
DJl 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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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: 1.1.00

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.