



Inspire 2 Release Notes

Date:	2018.07.18
Aircraft Firmware:	V01.02.0200
Remote Controller Firmware:	V01.01.0020
DJI GO 4 app:	iOS V 4.2.22 or above, Android V 4.2.21 or above

What's New?

- Added support for Apple ProRes RAW and Apple ProRes RAW HQ when using CINESSD for Zenmuse X7.
- Updated CINESSD's file system from FAT32 to exFAT. After the firmware update, FAT32 must be manually formatted in order to update to exFAT.
- Fixed an issue in ProRes videos where the color is abnormal when the white balance value is higher than 8000K.
- Optimized aircraft hovering performance in low altitude (below 8m) indoor when the ambient light conditions are sufficient.
- Improved flight stability by optimizing the compass data fusion algorithm for flight at high latitude.
- Updated Flight Safe system. User can now unlock various flight restrictions. After the update, users must re-import the unlocking certificate. The unlocking certificate requires the approval of the relevant local aviation authorities. For more information, please contact flysafe@dji.com.
- Fixed an issue where gimbal pan rotates when switching flight modes.
- Added function that uses the LS and RS levels to adjust the maximum gimbal rotation speed for Cendence (Cendence version 02.00.0120 is required).
- Added function to customizable buttons. Added gimbal pitch auto return to center and turn downward 90° (Cendence version 02.00.0120, Inspire 2 standard remote controller version 01.01.0020, and DJI GO 4 app version of 4.2.24* or above are required).
- Updated the battery firmware to version 1.0.0.67 (the same as the Matrice 200 series).

*Coming soon.

Notes:

- When using the Inspire 2 with the Zenmuse X4S/X5S/X7, it is recommended to update both at the same time.
- Ensure both the Master and Slave remote controllers are updated to the latest firmware to avoid control errors or camera and gimbal abnormalities.
- If the firmware update fails, restart the aircraft, remote controller, and DJI GO 4 app, then retry.

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Inspire 2 Release Notes

Date:	2018.04.18
Aircraft Firmware:	V01.02.0100
Remote Controller Firmware:	V01.01.0010
DJI GO 4 app:	iOS V 4.2.12 or above, Android V 4.2.12 or above

What's New?

- Added support for adjusting the maximum velocity of aircraft's real-time pitch/roll, orientation, and throttle with the Cendence remote controller's left and right levers, which can be set in the app.
- Added support for two new POI functions, including tapping on the map and flying the aircraft to the desired location (requires app v4.2.14).
- Optimized an issue where the gimbal pan slowly drifts while the aircraft is hovering in Follow mode (requires Zenmuse X4S/X5S/X7 firmware update).
- Added re-centering gimbal function with the remote controller customizable button, which will re-center the gimbal pitch, roll, and pan (requires Zenmuse X4S/X5S/X7 firmware update).
- The gimbal will re-center automatically only when the pitch axis angle is less than zero degrees and the aircraft is landing at a height of 0.7 m, to avoid touching the ground.
- Optimized a rare issue where some frames turn purple in the CINESSD video.
- Fixed an issue where the lower parts of photos are overexposed when using the Zenmuse X7 and lenses with a mechanical shutter at high shutter speeds.
- 23.97fps RAW videos have been updated to be recorded in 14-bit CinemaDNG format with the Zenmuse X7.
- Added 5440×2880, 5120×2880, and 5280×2160 resolutions for CinemaDNG format videos with the Zenmuse X7.
- Updated the resolution of 17:9 aspect ratio video from 3944×2088 to 4096×2160, and 16:9 aspect ratio video from 3712×2088 to 3840×2160 when recorded at 47.95/48fps in CinemaDNG format with the Zenmuse X7.
- Camera sensor dead pixel correction can be carried out with the Zenmuse X7 and lenses with a mechanical shutter.
- Updated battery firmware to optimize the cell voltage balance, which can fix the issue where battery cell abnormalities appears when cell voltage imbalance is detected. Keep the updated battery stationary for at least 72 hours and then check the abnormality again by installing the battery in the aircraft. Contact DJI Support if the issue cannot be solved by updating.
- Optimized a rare issue where the remaining battery capacity is inaccurate, which can avoid the problem of inconsistent battery capacity when compared with the actual battery capacity.
- Optimized the battery data communication logic to avoid rare battery communication abnormalities that appear during flight.
- Fixed an issue where one battery cannot supply power after powering on the aircraft.
- Fixed an issue where the battery cannot be turned on after being installed on the aircraft right after it has been removed from the charger.

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- Optimized the servo control logic to avoid a rare issue where the servo is damaged due to excessive resistance when the landing gear is used at low temperatures.
- Fixed an issue where the right dial would not set the camera exposure parameters (ISO/EI, shutter speed, and aperture) when using the Inspire 2 standard remote controller as the Slave controller and Cendence as the Master controller.
- Optimized control over the Inspire 2 standard remote controller camera exposure parameters. Rotate the dial clockwise to increase the exposure and counter-clockwise to decrease it.
- Updated the Fly Safe system by including the current location of the mobile device into flight restriction strategies.

Notes:

- Once the firmware has been updated, it cannot be reverted to former versions.
- When using the Inspire 2 with the Zenmuse X4S/X5S/X7, it is recommended to update both at the same time.
- Ensure both the Master and Slave remote controllers are updated to the latest firmware to avoid control errors or camera and gimbal abnormalities.
- If the firmware update fails, restart the aircraft, remote controller, and DJI GO 4, then retry.
- It is recommended to calibrate the sensors and vision systems to ensure that the aircraft is working optimally.



Inspire 2 Release Notes

Date:	2017.12.13
Aircraft Firmware:	V01.01.0300
Remote Controller Firmware:	V01.01.0002
DJI GO 4 app:	iOS V 4.1.18 or above, Android V 4.1.18 or above

What's New?

- Optimized Zenmuse X7 lens connection stability to fix an issue where lens signal could be lost when pressing the lens release button at the moment of powering on.
- Optimized Zenmuse X7 gimbal self-checking to prevent the gimbal from touching the ground and fixed a rare issue where the gimbal couldn't recenter after self-checking.
- Optimized Zenmuse X7 camera sensor dedusting to fix a rare issue where gimbal could restart when detaching the lens.
- Optimized the Zenmuse X7's gimbal smoothness.
- Fixed a rare issue where camera sensor errors could occur when powering on.
- Fixed an issue where distortion correction for DNG photos could be incorrect when used with Zenmuse X4S.

Notes:

- It is recommended to update the Inspire 2 and Zenmuse X7 at the same time when used with the Zenmuse X7.
- Ensure both master and slave remote controllers are updated to the latest firmware to avoid control errors.
- If the firmware update fails, restart the aircraft and DJI GO 4 and retry.



Inspire 2 Release Notes

Date:	2017.11.13
Aircraft Firmware:	V01.01.0200
Remote Controller Firmware:	V01.01.0002
DJI GO 4 app:	iOS V 4.1.14 or above, Android V 4.1.14 or above

What's New?

- Added support for the Zenmuse X7 gimbal and camera.
- CineCore 2.1 now features an updated camera processing system, which can support the new DJI movie color system (including D-Log curves and D-Gamut Color Space) when used with Zenmuse X5S and X7.
- Added new EI mode in Camera Settings, to make the camera operation style more compatible with other professional movie cameras. Please note that EI mode can only be turned on when both SD and SSD are enabled.
- Fixed a rare issue where the camera restarts when used with a Panasonic Lumix 14-42mm/3.5-5.6 HD automatic zoom lens.
- Fixed a rare issue where image edge is deformed when using the Zenmuse X5S with some Olympus-made lenses.
- Added an auto-focus function to both ActiveTrack and Spotlight modes. The camera will re-focus on the target when the distance between the target and aircraft changes.
- Fixed a rare issue where aircraft acceleration slows down in TapFly mode.
- Optimized gimbal yaw smoothness in Follow Mode.
- Added gimbal pitch auto return to center in Landing Mode to avoid the gimbal touching the ground.
- Added a remote controller customizable button to control gimbal pitch and pan rotating to center simultaneously. Latest remote controller firmware and DJI GO 4 versions are required.
- Added DJI Goggles Head Tracking Flight and Head Tracking Gimbal.
- Fixed an issue where the slave remote controller cannot control the gimbal when using both regular and Cendence remote controllers to work as master and slave.

Notes:

- It is recommended to update the Inspire 2 and Zenmuse X7 at the same time.
- Ensure that the remote controller is updated to the latest firmware version to activate all new features.
- If a firmware update fails, restart the aircraft and DJI GO 4, then try again.



Inspire 2 Release Notes

Date:	2017.06.26
Aircraft Firmware:	V01.01.0010
Remote Controller Firmware:	V01.01.0001
DJI GO 4 app:	iOS V 4.1.2, Android V 4.1.2

What's New?

- Updated no-fly zone management.
- For increased safety, flights will now be restricted to a height of 30 m and a distance of 50 m when not connected and logged into DJI GO 4 or another third-party app compatible with DJI aircraft.
- Added Dynamic Home Point, which allows the home point to update automatically based on remote controller's position when using the external GPS module.
- Added Continuous Auto Focus (AF-C) for the Zenmuse X4S.
- Fixed a rare issue where image signal couldn't be received after powering on.
- Fixed an issue where videos taken with zoom lenses weren't saved to the SD card correctly.
- Fixed a rare issue where SD card and SSD Looks didn't match.
- Fixed an issue where black frames would occasionally appear in SSD video.
- Fixed a rare issue where an update notification would still appear after completing an update successfully.
- Improved chromatic aberration calibration for some lenses.
- Improved gimbal stability for the Olympus M.Zuiko 9-18mm/4.0-5.6 lens.
- Fixed an issue where SD cards couldn't be formatted in certain situations.
- Added Intelligent Flight Battery auto-heating when charging in low temperatures.
- Intelligent Flight Batteries will be compatible with Matrice 200 series aircraft and the Ronin 2 after this update.
- Optimized image signal quality in some countries and regions.
- Added Remote Obstacle Avoidance during Return to Home.* (Only for the Zenmuse X4S and Zenmuse X5S equipped with the DJI MFT 15mm/1.7 ASPH lens.)
- Ground Station mode can no longer be entered with a remote controller button combination.

* This update should be used with the next version of DJI GO 4, which will be released soon.

Notes:

- Make sure to restart both the aircraft and remote controller after updating them to the latest firmware. Otherwise, video downlink may be unstable. Re-link the aircraft with the remote controller if they are disconnected.
- If the firmware update fails, restart the aircraft and DJI GO 4, then try updating again.

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Inspire 2 Release Notes

Date:	2017.04.12
Aircraft Firmware:	V01.0.0330
Remote Controller Firmware:	V01.0.0110
DJI GO 4 app:	iOS V 4.0.7, Android V 4.0.6

What's New?

- Optimized No-Fly Zone Return to Home and unlocking.
- Reduced high-frequency vibration after gimbal self-checking.
- Added an option to control gimbal pan by holding the C1 button and rotating the control dial in Follow Mode.
- When exiting an Intelligent Flight Mode, the gimbal will no longer center itself.

Notes:

- If the firmware upgrade fails, restart aircraft, remote controller, and DJI GO 4 app and try upgrading again.



Inspire 2 Release Notes

Date:	2017.03.02
Aircraft Firmware:	V01.0.0240
Remote Controller Firmware:	V01.0.0110
DJI GO 4 app:	iOS V 4.0.5, Android V 4.0.4

What's New?

- Added the option of Smart Arm LEDs, controlling whether front/back LEDs turn off automatically during shooting.
- Added the Pitch Range Extension function, enlarging the gimbal pitch range to $-130^{\circ} \sim +40^{\circ}$ with the function enabled; Added auto adjustment of the Zenmuse X5S gimbal yaw and pitch speed according to the FOV when the Max Gimbal Yaw Speed option is on.
- Enabled sticks control of the gimbal inside the app when TapFly is activated. Users can also control the gimbal's orientation via the remote controller. When the sticks are in use, the gimbal will automatically change into free mode. At that time, move the right stick (Mode 2) to the left or right to control gimbal yaw while move the right stick up and down to control gimbal pitch. Scroll the left dial to control the flight speed of the aircraft.
- Added Quick Spin function when TapFly is activated. When this function is enabled, the aircraft will rotate quickly to allow the gimbal to continue its rotation.
- Added the option to turn off the warning sound during firmware updates.
- Adjusted the Near Ground Warning to activate whenever the Automatic Landing Gear is switched off. When the Near Ground Warning is activated, the DJI GO 4 app will prompt when the aircraft descends to about 0.7m above the ground. The aircraft will be forced to land if the user holds down the throttle stick for 3 seconds. (Currently only for iOS)
- Added the Clip Index function to help better sort video clips saved in the CINESSD.
- Added camera lens distortion correction in H.264/H.265 formats.
- Added Looks (Standard and D-Log) and removed Color when shooting with both SSD and SD enabled.
- ISO value will now be locked to 500 when shooting videos in D-Log.
- Added a vibration warning on the remote controller for emergency braking, quick spin and auto landing.
- Added customization of responsiveness to stick movements and enabled Quick Spin in Tripod Mode.
- Added Course Lock Function when advanced features such as TapFly and ActiveTrack are enabled.
- Added quick exiting for advanced features by pressing and holding the Pause Button for 3 seconds. (Currently only for iOS)
- Optimized ActiveTrack, adding the option to make the aircraft's heading consistent with the object's direction of movement.
- Enabled Spotlight Pro in A mode.
- Enabled the app to remember the Video Format and Color settings in use when powering off the aircraft by pressing the power button.
- Enhanced the quality of dark parts of videos in the Apple ProRes format.
- Enhanced color transition in the dark parts of D-Log videos.

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- Optimized the self-diagnosis process of the gimbal.
- Enhanced gimbal self-calibration and increased calibration accuracy.
- Fixed occasional failure of gimbal tilt motor initialization.
- Enhanced the accuracy of detecting water or flat surfaces.
- Optimized the interaction experience of Master and Slave remote controllers.
- Increased stability when using the Master and Slave remote controllers in the operation frequency of 5.8GHz
- Added the operation frequency of 5.6GHz for Master and Slave remote controllers in Japan.
- Disabled the function of stopping motor mid-flight by pressing the RTH button while simultaneously pulling the left stick to the bottom inside corner and holding for 3 seconds by default. The user should go inside DJI GO 4 app to enable this function.
- Adjusted the default critical low battery warning to 7%.
- Disabled the aircraft from taking off with only one battery.
- Disabled the aircraft from taking off when the batteries are not inserted correctly.
- Adjusted limited flight range in and around airports.
- Supported to update the firmware of the DJI Focus Handwheel and Inspire 2 GPS Module when connecting to the remote controller.
- Fixed the occasional image anomaly with some gimbal cameras.
- Enhanced the Return-to-Home accuracy.
- Added the display of aircraft output power status in the outer ring of the Flight Attitude Icon.

Notes:

- If the firmware upgrade fails, restart aircraft, remote controller and DJI GO 4 app, and retry.
- Once the firmware has been updated, it cannot be downgraded to a former version.
- Ensure remote controller is updated to the latest firmware to activate all new features.