

Firmware Updates on April 27, 2015

Overview:

- a) Flight controller firmware has been updated to v3.14.

Major New Features

No-Fly Zones have been updated to include a 1.2 km radius centered on the Imperial Palace and a 1 km radius centered on the Prime Minister's Official Residence, both in Tokyo, Japan.

Firmware Updates on March 03, 2015

Overview:

- b) Flight controller firmware has been updated to v3.12.

Major New Features

- a) No-Fly Zones have been updated to include a 25km radius centered in Washington, DC.
- b) The compass calibration program has been optimized to improve reliability.
- c) When automatic landing is initiated, users can now continue to control the aircraft's position and altitude. During this process, the maximum speed of ascent is 1 m/s.
- d) After an automatic landing has been completed and the motors have stopped spinning, users can immediately restart the motors and begin a new flight.

Special Note:

- a) It is recommended that the compass be calibrated in an environment that is free from sources of potential interference. If you become aware of any source of potential interference, move to a different location and calibrate the compass again. Be aware that underground metal pipes may cause interference when the aircraft is close to the ground during compass calibration.

VISION App Updates on February 13, 2015

Overview:

- a) DJI VISION App has been updated to iOS v1.0.48, Android v1.0.58.

Major New Features

- a) An issue that caused The VISION app to crash on Android 5.0.1 devices has been fixed.
- b) Bugs that were discovered in the VISION app have been removed.

Firmware Updates on January 30, 2015 *

Overview:

- a) Flight controller firmware has been updated to v3.10*.
- b) DJI Phantom Assistant has been updated to v3.8.
- c) DJI VISION App has been updated to iOS v1.0.46, Android v1.0.56.

***The flight controller firmware v3.10 has been discontinued. Its updates have been optimized and included in the v3.12 update.**

Major New Features

- a) No-Fly Zones have been updated to include a 25km radius centered in Washington, DC.
- b) The iOS VISION app is compatible with iOS 8.0. The Android VISION app is compatible with Android 5.0.
- c) GPS Signal Notice added to the VISION app. The VISION app will display a pop-up tip when attempting to takeoff without a sufficient GPS signal.
- d) Rear LED indicator display has been added to the VISION app to show the aircraft's current flight status.
- e) An "Upgrade Range Extender" feature has been added to the VISION app (iOS). It is now possible to use a mobile device's data network to access internet functions while connected to the Phantom.
- f) The ability to view and download manuals and new manual notices has been added to the VISION app.
- g) The latest DJI Phantom 2 Vision + FC200 firmware fixes the issue that prevented the camera from starting in some cases.
- h) The latest DJI Phantom 2 Vision+ FC200 firmware adds the ability to modify the filename prefix of photos when using the DJI SDK.
- i) "Upgrade All" function added to the DJI Phantom Assistant.
- j) When automatic landing is initiated, users can now continue to control the aircraft's position and altitude. During this process, the maximum speed of ascent is 1 m/s.
- k) After an automatic landing has been completed and the motors have stopped spinning, users can immediately restart the motors and begin a new flight.

Firmware Updates on Nov 28

Overview:

- a) Central board firmware updated to v1.0.2.10.

Major New Features

- a) Improved the communication between the smart flight battery and the Phantom.
- b) Fixed issues in communication between the smart flight battery (V2.0) and the compass.

Firmware Updates on October 31

Overview:

- a) DJI Smart Battery Flight firmware updated to v2.6.0.0
- b) DJI Phantom Assistant updated to v3.6.

Major New Features

- a) Battery cell warning added to the VISION app that alerts users if battery issues are detected. Browse battery cell warning history in the VISION app.
- b) New auto-discharging feature to address the swelling problem of fully charged battery when it is stored for an extended period. The auto-discharging function will start automatically if the battery does not operate in 10 days.
- c) Battery cell damages detection feature added.
- d) New battery cell balancing feature to extend battery life.

Special Notes:

- a) Update DJI Smart Flight Battery firmware to v2.6 through Phantom Assistant v3.6.
- b) The new battery firmware v2.6.0.0 does not support battery with loader of v1.3.0.0 or firmware of v1.6.0.0.

Firmware Updates on Oct 28

Overview:

- a) Flight controller firmware updated to v3.08.
- b) Central board firmware updated to v1.0.2.7.
- c) 3-axial gimbal firmware updated to v1.0.0.6.
- d) DJI Phantom Assistant updated to v3.4.
- e) DJI Vision App updated to iOS v1.0.43, Android v1.0.54.

Major New Features

- a) Dynamic home point: when using a GPS-enabled mobile device and running the VISION app, the Home Point will automatically be reset to the location of the device every 2 seconds during flight.
- b) Ability to change the Return to Home altitude added to the VISION app (ability to change this setting in the Assistant software remains).
- c) Maximum operating area, based on remaining battery power and current settings, can now be displayed on the ground station map view. This area automatically expands or contracts when new flight plans are set.
- d) The aircraft's current longitude and latitude will be displayed on the VISION app's radar. When using ground station, the longitude and latitude of each waypoint is also displayed as they are set.
- e) New pre-flight checklist that reminds users of important considerations before flying added.
- f) Battery cell warning added to the VISION app that alerts users if battery issues are detected. Browse battery cell warning history in the VISION app.
- g) To address the issue of fully charged battery swelled when it was stored for an extended period.
- h) Battery cell damages detection feature added.
- i) New battery cell balancing feature to extend battery life.
- j) Maximum descent speed set to 0.6m/s when the aircraft's altitude is less than 10m and descending automatically (for example in failsafe mode). The maximum speed of descent remains 2m/s in other flight conditions.
- k) Propulsion system performance enhancements.
- l) German, French and Japanese language support added to the VISION app.

Special Notes:

- a) The dynamic home point is only available when using GPS-enabled mobile devices. Your aircraft will not be able to record a dynamic home point if you are using a mobile device without a GPS module (e.g. iPod).

Firmware Updates on July 29

Overviews:

- a) Flight controller firmware updated to v3.06.
- b) Central board firmware updated to v1.0.1.32.
- c) DJI Vision App updated to iOS v1.0.42 and Android v1.0.52.
- d) Phantom 2 PC Assistant updated to v3.2.

Flight Controller - Major New Features:

- a) Added two levels of battery warnings: Low Battery Level Warning and Critical Battery Level Warning. When enabled, Auto Go Home will be activated if the battery level reaches a Low Battery Level Warning. Setup these warnings using either the DJI Phantom Assistant or DJI Vision App.
- b) When the battery level reaches a Critical Battery Level Warning, the aircraft will automatically land. The motors will power off after landing.
- c) The speed of descent will be automatically adjusted based on current altitude.
- d) Minimum adjustable height limit set to 20m.
- e) Magnetic declination value stored to improve flight course accuracy.
- f) New fix of a video signal problem that affected some Phantom 2 Vision users.
- g) Various bug fixes.

DJI Vision App Major New Features:

- a) The current battery level can now be viewed real-time through the DJI Vision App, via a battery level indicator bar near the top of the screen.
- b) "Hotline" feature for easy access to post-sales supports.
- c) "Compass Calibration" feature added.
- d) "Low Battery Auto Go Home" feature added.

Phantom 2 PC Assistant Major New Features:

- a) Added Japanese as a supported language.

Firmware Updates on July 01

Overviews:

- a) Central board firmware updated to: v1.0.1.31.

Major New Features:

- a) Fixed iOSD compatibility issues.

Special Notes:

- a) Ensure flight controller firmware has been updated to the latest version (v3.04) before you start to update the central board firmware.

Firmware Updates on June 26

Overviews:

- a) Central board firmware updated to: v1.0.1.30.

Major New Features:

- a) Fixed issue of vision+ gimbal and H3-3D shaking involuntarily when powering on.

Firmware Updates on June 24

Overviews:

- a) DJI Vision App updated to iOS v1.0.41 and Android v1.0.50.

Major New Features:

- a) Ground Station support:
 - Plan missions of up to 16 waypoints.
 - “Go Home” function.
 - Flight safety protection:
 - 3.1 miles (5 km) flight distance limit.
 - Ground station disabled when battery level is below 30%.
 - 1640 feet (500 m) flight radius based on HOME point, 656 feet (200 m) altitude restriction.

Special Notes:

- a) Upgrade flight controller firmware to the latest version (v3.04) by using Phantom Assistant to enable ground station feature.

Firmware Updates on May 21

Overviews:

- a) Flight controller firmware updated to: v3.04.

Major New Features:

- a) Stability when carrying heavy payloads improved.
- b) Flight restriction database updated.

Firmware Updates on April 30

Overviews:

- a) Central board firmware updated to: v1.0.1.27.

Major New Features:

- a) Stability when carrying heavy payloads improved. Maximum descent speed restricted to 2m/s.

Firmware Updates on April 7

Overviews:

- a) The Phantom 2 Vision flight controller firmware has been upgraded to v3.00.
- b) The central board firmware has been upgraded to v1.0.1.25.
- c) Phantom2 Vision Assistant has been upgraded to v3.00.
- d) The User Manual has been updated to v1.16.

Major New Features:

- a) Special area flight restriction.
- b) Compass data error notification.
- c) Special area restriction section added in Assistant.
- d) New chapter about special area restriction in the user manual.

Special Notes:

- a) **Please be aware that this firmware version limits aerial systems from flying above special areas such as airports. For more information, please visit www.dji.com. Updating your firmware signifies you fully acknowledge and accept this function. DJI accepts no liability or damages or injuries incurred directly or indirectly from your refusal to update this firmware.**
- b) Ensure both flight controller and central board firmware have been updated to the latest version using Assistant v3.00.

Firmware Updates on Mar 26

Overviews:

- a) The Phantom 2 Vision flight controller firmware has been upgraded to v2.00.
- b) The central board firmware has been upgraded to v1.0.1.24.
- c) Phantom2 Vision Assistant Software has been upgraded to v2.00.
- d) User manual has been updated to v1.14.

Major New Features:

- a) Flight controller firmware now includes the Flight Limits functions, inclusive of maximum height radius limits, which is aimed to help users fly more safely. Max height is set at 400m and max radius is 1600m by default. The default parameters can be configured in the Assistant Software v2.00.
- b) The max descent speed has changed to 3m/s.
- c) Assistant Software v2.00 includes Flight Limits page for configuration.
- d) The latest version of user guide includes descriptions of Flight Limits function.

Special Notes:

- a) Ensure both flight controller and central board firmware have been updated to the latest version using Assistant Software v2.00.

Firmware Updates on Feb 20

Overviews:

- a) Phantom RC Assistant Software v1.1 released with support for Mac OS X 10.6 or above. Assistant Software usages on Mac and Windows are exactly the same. Phantom RC v1.1 has been optimized, no new function added.

Special Notes:

- a) When launching for the first time on Mac OS X, please open the Phantom RC Assistant Software in the Finder. After the first successful launch, the application can be launched by double-clicking the Phantom RC icon in the Finder or using Launchpad.
- b) Please download the application installer in DMG format from the download page of Phantom 2 Vision on the DJI website.
- c) The Assistant Software for Windows and Mac OS X will updated simultaneously in the future.

Firmware Updates on Jan 20

Overviews:

- a) The DJI Vision has been updated and now can be downloaded. (iOS App: v1.0.32; Android App: v1.0.38)
- b) The firmware of Phantom 2 Vision's camera FC200 has been updated to v1.1.9. Please download it through our website.

Major New Features:

Thank you for your patience! The latest camera firmware v1.1.9 now supports Adobe DNG RAW format capturing. It also records the GPS location and relative altitude in the metadata of the Adobe DNG RAW file. DJI will keep working hard on improving the quality of the RAW file and providing the best aerial photography solution to our customers. Thank you for your constant support!

Update Procedures:

Follow the below instructions to update your firmware.

- a) Download the latest camera firmware and unzip it.
- b) Get a clean Micro-SD card (less than or equals to 32GB), and copy the "firmware.bin" file to the root folder of the Micro-SD card.
- c) Make sure the camera is turned off, and insert the Micro-SD card into the camera before turning it on.
- d) Turn on the camera.
- e) The firmware update will begin automatically. A yellow flashing LED on the camera indicates that the camera is updating.

- f) When the yellow flashing disappears, the firmware has been updated. After a successful update, the “firmware.bin” file’s name will change to “firmware.bin.bak00”. This file on the card can now be deleted.

Special Notes:

- a) During the update, do not turn off the camera or take out the Micro-SD card. This may prevent your camera from switching on and will need a factory reset.
- b) A fast red flashing LED on the camera after the update means the update has failed. Please try again.
- c) You need to use the latest DJI Vision App (iOS App: v1.0.32; Android App: v1.0.38).

Firmware Updates on Dec 27

Overviews:

- a) Phantom 2 Vision Assistant Software v1.08 released with support for Mac OS X 10.6(Lion) or above. Assistant Software usages on Mac and Windows are exactly the same.

Special Notes:

- a) When launching for the first time on Mac OS X, please open the Phantom 2 Vision Assistant Software in the Finder. After the first successful launch, the application can be launched by double-clicking the Phantom 2Visionicon in the Finder or using Launchpad.
- b) Please download the application installer in DMG format from the download page of Phantom 2 Vision on the DJI website.
- c) The Assistant Software for Windows and Mac OS X will updated simultaneously in the future.

Firmware Updates on Dec 19

Overviews:

- a) The Phantom 2 Vision Autopilot's firmware has been upgraded to v1.08.
- b) The Central Board firmware has been upgraded to v1.0.1.19.
- c) Phantom 2 Vision and PHANTOM 2 will share the PHANTOM 2 Assistant Software, which has been upgraded to v1.08.
- d) The User Guide has been updated to v1.08.

Major New Features:

- a) In a Failsafe situation, if less than 6 GPS satellites are found for more than 20 seconds, the aircraft will descend automatically.
- b) The latest version of Central Board firmware optimizes the calculation method of battery life.

Special Notes:

- a) Be sure to upgrade the flight controller and central board firmware to the latest version using Assistant Software v1.08.

Firmware Updates on Dec 4

Overviews:

- a) The latest version of the DJI Vision App (iOS App: v1.0.30; Android App: v1.0.34) is available on the App Store and Google Play. Or you can get it from <http://m.dji.net/djivision>.
- b) The latest version of the Phantom 2 Vision Camera, FC200, is v1.1.8.

Major New Features:

- a) PAL support has been added to the camera including 1080p25 and 960p25.

Update Procedures:

Follow the below instructions to update your firmware.

- a) Copy the “firmware.bin” file to the root folder of your Micro-SD card.
- b) Make sure the camera is turned off, and insert the Micro-SD card into the camera before turning it on.
- c) Turn on the camera.
- d) The firmware update will begin automatically. A yellow flashing LED on the camera indicates that the camera is updating.
- e) When the yellow flashing disappears, the firmware has been updated. After a successful update, the “firmware.bin” file’s name will change to “firmware.bin.bak00”. This file can now be deleted.

Special Notes:

- a) During the update, do not turn off the camera or take out the Micro-SD card. This may prevent your camera from switching on and will need a factory reset.
- b) A fast red flashing LED on the camera after the update means the update has failed. Please try again.

Firmware Updates on Nov 25

Overviews:

- a) The latest version of the DJI Vision App (iOS App: v1.0.29; Android App: v1.0.33) has passed both iOS App Store and Google Play reviews. Please go to the App Store, Google Play or visit <http://m.dji.net/djivision> to download the latest version.
- b) Adobe has released a lens profile for the DJI Phantom 2 Vision camera to remove its lens distortion.

Firmware Updates on Nov 17

Overviews:

- a) The Phantom 2 Vision Autopilot's firmware has been upgraded to v1.05.
- b) The Central Board firmware has been upgraded to v1.0.1.18.
- c) The PC Assistant Software has been upgraded to v1.05.
- d) The Cell Phone App has been upgraded to (iOS App: v1.0.29 Android App: v1.0.33), they are now under App store reviews.
- e) The User Guide has been updated to v1.04.

Major New Features:

- a) Professional users can use the PC Assistant Software (v1.05) to enter a "Naza-like" Mode, enabling IOC and original Atti, GPS and Manual Modes. The LED flight indicator will behave like the Naza, not the Phantom 2 Vision. Please alert users to only enter the Naza-like Mode if they are experienced pilots as more and more Phantom 2 Vision users will be those with no experience of flying.
- b) Contact pins may fail when the Phantom 2 Vision is still in the air, triggering an "Invalid Battery" warning. This causes autopilot to receive a "0" battery level, triggering the auto-landing failsafe. After updating to Autopilot (v1.05) and Central Board (v1.0.1.18), the "Invalid Battery" warning will not occur in-flight, even if contact pins fail. This will prevent auto-landing. Autopilot will provide warnings if battery voltage drops lower than 10.65V (Autopilot can track battery percentage with and without the contact pins). If using iOS app v1.0.29, a message box will pop up to warn that "There has been a battery communication failure. Please fly carefully and bring your Phantom 2 Vision back to you ASAP."
- c) PS: The Phantom 2 Vision is "Ready To Fly," "Ready to Capture" and "Ready to Share" but it is still an aircraft. Keeping contact needles and pads clean is very important. Any dirt and dust may cause a communication failure.
- d) 2nd Level Low Battery Warning is set to 15% instead of 20%.
- e) A new level of protection is a hidden third low battery voltage in addition to the 1st and 2nd battery level (percentage) warnings. This uses 10.65V as its threshold. Both this voltage threshold and the 2nd Level Low Battery Warning will trigger auto-landing. Altitude can be maintained if necessary by pulling up on the throttle.)
- f) Switching the S2 from upper most position to its bottom most position **for at least 5 times** will reset the home point of Phantom 2 Vision. Definition of "home point" is i) where the Phantom 2 Vision return to when control signal is lost ii) the home position which is used to calculate the horizontal distance between you and the aircraft which is displayed on your cell phone app. When the home point is set, you will see a very short period of fast green light flashing on the LED Flight Indicator.
- g) The map used in the "Find My Phantom 2 Vision" is changed to Google Map in Android App (v1.0.33).
- h) Other minor bugs fixed.

Special Notes:

- a) Must use the latest PC Assistant Software (v1.05).
- b) Must upgrade both Autopilot (v1.05) and Central Board (v1.0.1.18).

- c) Before switching to Naza-like Mode, you need to update autopilot and central board first.
- d) Latest Cell Phone App is under review by app stores, the only major difference will be, by using earlier version app, you won't get the popup message "battery communication failure". But it really doesn't matter that much. The review takes about 1 week.

Firmware Updates on Nov 5

Overviews:

- a) The Phantom 2 Vision 5.8GHz Receiver's firmware has been upgraded to v1.0.1.3.
- b) The Phantom 2 Vision 5.8GHz Remote Controller's firmware has been upgraded to v1.0.2.22.
- c) The PC Remote Controller Assistant Software has been released(v1.00).

Major New Features:

- a) The algorithm is improved so that even under CE compliant mode, the communication range of Remote Controller can achieve around 400 meters in open areas.
- b) By using the Remote Controller's PC Assistant Software, users can calibrate the sticks and switch between Mode 1 and Mode 2.
- c) Other minor bugs fixed.

Special Notes:

- a) Users must upgrade both of the Remote Controller and Receiver. Upgrading only one of them will result in potential communication failures.
- b) The hidden USB port is located inside the Remote Controller. Follow the video guide on the Remote Controller.