PHANTOM 4 RTK Release Notes

Date:	2019.05.07
Aircraft Firmware:	v02.01.0009
Remote Controller Firmware:	v02.01.0009
DJI GS RTK App:	v2.0.4
DJI Assistant 2 For Phantom:	v2.0.7
DJI Assistant 2 For MG:	v2.0.13

What's New?

- Added the 3D Photogrammetry (Multi-oriented) operation type. After planning the operation area, the generated flight routes will include a single orthographic flight route and four oblique flight routes.

- Added the Terrain Awareness Mode operation type. To plan a Terrain Awareness operation, create a folder in the DJI\DSM path in the root directory of the microSD card, put tif and tfw files into it, and then import the files to the app. After planning flight route in the area corresponding to the imported files, the aircraft will follow the terrain when flying along the route.

- Added notifications for abnormal Intelligent Flight Battery level. If abnormal battery level is detected, there will be a prompt in the app and RTH will be triggered.

- Optimized the flight route planning for Linear Flight operations. Enable or disable "Flight route generated along center line" in the settings to determine whether the generated flight route will include the center line added when planning the operation.

- Fixed the issue of slow task list loading.

- Fixed the rare issue: there was camera preview image jitter during RTH.

- Fixed issue: the remote controller firmware of the MG-1P and Phantom 4 RTK were not compatible with each other.

Notes:

- This firmware includes Intelligent Flight Battery firmware. **If you have multiple batteries, please run this firmware update on all of them.**

- The remote controller cannot be downgraded after this firmware update.

- This firmware update may take a long time. Please wait and DO NOT power off the aircraft during updating.

- Make sure that the firmware for both the aircraft and remote controller is up-to-date. Otherwise they will not work together.

http://www.dji.com/phantom-4-rtk

PHANTOM 4 RTK Release Notes

Date:	2019.02.20
Aircraft Firmware:	v01.07.0118
DJI Assistant 2 For Phantom:	v2.0.6
DJI Assistant 2 For MG:	v2.0.12

What's New?

- Improved battery stability and safety after the battery was not fully charged and discharged during long-term storage.

  If you have multiple batteries, please run this firmware update on all of them.

Notes:

- This firmware update may take a long time. Please wait and DO NOT power off the aircraft during updating.

- Make sure that the firmware for both the aircraft and remote controller is up-to-date. Otherwise they will not work together.

http://www.dji.com/phantom-4-rtk

PHANTOM 4 RTK Release Notes

Date:	2019.01.22
Aircraft Firmware:	v01.07.0116
Remote Controller Firmware:	v01.07.0116
DJI GS RTK App:	v1.8.25
DJI Assistant 2 For Phantom:	v2.0.6
DJI Assistant 2 For MG:	v2.0.10

What's New?

- Added support for the remote controller without a built-in display for use with Mobile SDK apps.

- Added Timed Shooting mode in Photogrammetry and Linear Flight operations.

- Added the option in Advanced Settings when planning a Photogrammetry operation to set the margin of the operation area automatically.

- Added support for export and import of the planned operations using a microSD card.

- Added support for RTCM 3.2 MSM3 when using custom network RTK.

- Added the option in General Settings in Camera View to select Grid as FPV Display Mode.

- Added the function to center the gimbal by double tapping the gimbal pitch status bar in Camera View.

- Cancelled the limit for the length of the flight route when planning an operation.

- Optimized the calculation for the flight route and operation duration.

- Fixed occasional issue: app crash caused by some random operations.

- Fixed occasional issue: there was no marker for the breakpoint after pausing the operation.

- Fixed occasional issue: the storage path of the pictures shot during automatic operations was wrong.

- Fixed issue: wrong display of some text in the app.

- Fixed issue: wrong display of GSD value when system language was Japanese.

Notes:

- This firmware update may take a long time. Please wait and DO NOT power off the aircraft during updating.

- Be sure to update the firmware for both the aircraft and the remote controller. Otherwise they will not work together.

http://www.dji.com/phantom-4-rtk

PHANTOM 4 RTK Release Notes

Date:	2019.01.02
DJI GS RTK App:	v1.8.22-GSP-HF.1

What′s New?

• Extended the free trial period for the function of creating operation areas through KML/KMZ files.

Notes:

• Only an app update is required. There is no need to update the remote controller or aircraft firmware.

http://www.dji.com/phantom-4-rtk

PHANTOM 4 RTK Release Notes

Date:	2018.12.05
Aircraft Firmware:	v01.06.0104
Remote Controller Firmware:	v01.06.0106
DJI GS RTK App:	v1.8.22
DJI Assistant 2 For Phantom:	v2.0.6
DJI Assistant 2 For MG:	v2.0.10

What's New?

- Added the operation type of Linear Flight, and the support for KML/KMZ files import to create a Linear Flight operation area.

- Added support for RTCM 3.2 MSM6, and MSM7 when using custom network RTK.

- Added Galileo satellite count display in RTK Settings in the app.

- Added the option in Aircraft Settings in the app to exit operations after remote controller signal is lost.

- Added support for gimbal pitch angle configuration to be set to more than 0° which indicates the upward movement of the gimbal.

- Added support for the remote controller to use the Network RTK service via Wi-Fi.

- Added support for the remote controller to connect to the Internet via Wi-Fi for aircraft activation.

- Changed the maximum number of waypoints in one operation to 200.

- Changed the maximum area margin in Photogrammetry operations to 200 meters.

- Optimized the calculation for the threshold of battery level during Low Battery RTH to prolong time for executing operations.

Notes:

- This firmware update may take a long time. Please wait and DO NOT power off the aircraft during updating.

- Be sure to update the firmware for both the aircraft and the remote controller. Otherwise they will not work together.

http://www.dji.com/phantom-4-rtk

PHANTOM 4 RTK Release Notes

Date:	2018.10.16
Aircraft Firmware:	v01.05.0106
Remote Controller Firmware:	v01.05.0108
DJI GS RTK App:	v1.8.15
DJI Assistant 2 For Phantom:	v2.0.4
DJI Assistant 2 For MG:	v2.0.8

What's New?

- Added the operation type of Photogrammetry 3D for tilt photogrammetry and 3D mapping.

- Added the function to obtain the aircraft's last known position. Go to Camera View in the app > ●●● > ••• > Find Aircraft to view the longitude and latitude coordinates where the aircraft was powered off or remote controller signal was lost for the last time.

- Added the function to store firmware package cache in the aircraft for offline update. There will be a prompt on the Main Screen in the app when the firmware of some modules such as Intelligent Flight Battery doesn't matched the current aircraft firmware. Tap Update to finish firmware update without downloading the firmware once more.

- Changed the naming rule of the image files and folders of the Photegrammetry operations to fix the issue of duplicate file names when multiple groups of imgaes are used for post-processing.

- Added the contents recorded in the MRK files produced during a Photogrammetry operation, such as the offset from the antenna phase center to the camera sensor center, the latitude and longitude of the camera, and the RTK information (including the RTK positioning status, and the standard deviation of the base station data is recorded if a base station is in use) when shooting.

Notes:

- This firmware update may take a long time. Please wait and DO NOT power off the aircraft during updating.

- Be sure to update the firmware for both the aircraft and the remote controller. Otherwise they will not work together.

For more information contact Synergy Positioning Systems or visit the Synergy Positioning Systems website at www.synergypositioning.co.nz
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http://www.dji.com/phantom-4-rtk