



## MATRICE 200 SERIES V2 Release Notes

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Date:	2020.08.20
Aircraft Firmware:	v01.00.0710
Remote Controller Firmware:	v01.00.0710
D-RTK 2 Mobile Station for Matrice Series Firmware:	v03.00.0013
DJI Pilot App:	v1.8.0
DJI Assistant 2 For Matrice:	Windows v2.0.12, Mac v2.0.12

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### What's New?

#### Aircraft:

- Optimized aircraft failsafe actions when using OSDK to control the aircraft.

#### Notes:

- The aircraft and remote controller cannot be downgraded to v01.00.0590 or a lower version after this firmware update.
- To update the firmware for Zenmuse X4S, X5S or X7, connect the gimbal to Gimbal Connector I.
- Download the firmware to a microSD card to update the firmware for Zenmuse Z30, XT or XT2.



## MATRICE 200 SERIES V2 Release Notes

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Date:	2020.06.11
Aircraft Firmware:	v01.00.0690
Remote Controller Firmware:	v01.00.0690
D-RTK 2 Mobile Station for Matrice Series Firmware:	v03.00.0013
DJI Pilot App:	v1.8.0
DJI Assistant 2 For Matrice:	Windows v2.0.11, Mac v2.0.11

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### What's New?

#### Aircraft:

- Added altitude optimization for Mission Flight.
- Changed the naming rule of the image files and folders of Mission Flight to fix the issue of duplicate file names when multiple groups of images are used for post-processing.
- Added support for the all-new PSDK 2.0. Confirm with the third-party manufacturer that its product is compatible with PSDK 2.0 to avoid compatibility issues.
- Optimized obstacle sensing during Mission Flight. The aircraft will pause during a mission, record a break point, then brake and fly back to the break point when any obstacle is detected.
- Improved the flight stability in certain scenarios.
- For the M210 RTK V2:

Improved anti-electromagnetic interference performance. The aircraft can output precise heading data using the dual antennas without connecting to the D-RTK 2 Mobile Station.

Fixed the issue where the RTK FIX status was displayed incorrectly in the app when the motors of the aircraft were not started.

#### Remote Controller:

- For the M210 RTK V2, control for output of expansion ports using the customizable buttons on the remote controller is now supported.\*

\* DJI Pilot app v1.8.0 or later is required.

#### Notes:

- The aircraft and remote controller cannot be downgraded to v01.00.0590 or a lower version after this firmware update.
- To update the firmware for Zenmuse X4S, X5S or X7, connect the gimbal to Gimbal Connector I.
- Download the firmware to a microSD card to update the firmware for Zenmuse Z30, XT or XT2.

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## MATRICE 200 SERIES V2 Release Notes

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Date:	2019.09.16
Aircraft Firmware:	v01.00.0590
Remote Controller Firmware:	v01.00.0590
D-RTK 2 Mobile Station for Matrice Series Firmware:	v01.00.0590
DJI Pilot App:	v1.5.0
DJI Assistant 2 For Matrice:	Windows v2.0.8, Mac v2.0.8

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### What's New?

#### Aircraft:

- When using the X7 camera:  
Added the photo ratio of 3:2 and a mechanic shutter option. \*  
The photos captured in each flight mission are saved to a subfolder under the “survey” folder in the microSD card.
- Added lens calibration in manual focus mode when using the X5S or X7 cameras.
- Added a function to adjust the shutter, aperture, and ISO values using the camera setting dial and corresponding buttons on the remote controller when using the X4S, X5S, or X7 cameras.
- Reduced camera display jitter when flying with the X5S and a zoom lens, such as Olympus 14-42 mm or Panasonic Lumix 14-42 mm.
- Reduced aircraft fan noise when taking off in the simulator in DJI Assistant 2.
- Fixed the abnormal aircraft status when taking off with the Downward Vision System obstructed.
- Fixed the issue where the RTH altitude could not be set to the max value after GEO zones have been unlocked.
- Fixed the rare issue where there was no camera preview in the app when using a PSDK payload.
- Fixed the issue where calibration failed after the GPS was interfered when using the M210 V2 with an external GPS kit.
- For the M210 RTK V2:  
Improved mapping accuracy when using the X7 camera with a 35 mm lens or 24 mm lens.  
The PPK raw data will be saved to the same folder as the photos.  
Added the detailed RTK status information in the photo information.

#### Remote Controller:

- Added function to disable the gimbal control using the left and right dials on the remote controller during Mission Flight to avoid false trigger.
- Added a function to transfer the PSDK data to a display device via HDMI.
- Added a function to customize the control stick mode for the Secondary remote controller in Dual Remote

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Controller mode. \*

- Added a function to focus in manual focus mode by using the focus adjustment knob. \*
- Added a function to recenter the gimbal pan. Tap the corresponding button in gimbal settings in the app to recenter, only the gimbal pan. \*

### D-RTK 2 Mobile Station for Matrice Series:

- Added a data copy function. Connect the D-RTK 2 to the computer to copy the RTCM data directly.

### Notes:

- Make sure that the firmware for the aircraft, remote controller, and D-RTK 2 Mobile Station for Matrice series (if in use) is up-to-date. Otherwise, they will not work together.
- To update the firmware for Zenmuse X4S, X5S or X7, connect it to Gimbal Connector I.
- Download the firmware to a microSD card to update the firmware for Zenmuse Z30, XT or XT2.

\* DJI Pilot app of v1.5.0 or later is required.



## MATRICE 200 SERIES V2 Release Notes

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Date:	2019.05.05
Aircraft Firmware:	v01.00.0450
Remote Controller Firmware:	v01.00.0450
D-RTK 2 Mobile Station for Matrice Series Firmware:	v01.00.0450
DJI Pilot App:	v1.3.0
DJI Assistant 2 For Matrice:	Windows v2.0.7, Mac v2.0.6

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### What's New?

- Added Spotlight function.\*
- Added Dual Remote Controller mode.\*
- Added the function to re-center both of the downward gimbals during the aircraft lands.
- Improved the accuracy of arriving at the waypoint during Mission Flight.
- Optimized the battery level calculation and self-heating function.
- Fixed issues in flight log and system log exportation when using the DJI Assistant 2.
- Adjusted the button setting condition for the remote controller to control the tilt of the FPV camera. Now, the tilt angle can be controlled by pressing and holding the C2 button and turning the left dial even when C2 has already been defined.
- For the M210 RTK V2 only:
  - Added the function to store the RTCM data to the aircraft.
  - Fixed issue: aircraft yaw now cannot be changed during RTH.

### Notes:

- This firmware includes Intelligent Flight Battery firmware. **If you have multiple batteries, please run this firmware update on all of them.**
- Make sure that the firmware for the aircraft, remote controller, and D-RTK 2 mobile station for Matrice series (if in use) is up-to-date. Otherwise they will not work together.
- When using a Zenmuse X4S, X5S or X7, connect it to Gimbal Connector I for firmware update.
- When using a Zenmuse Z30, XT or XT2, download the firmware to a microSD card for firmware update.

\* DJI Pilot app of v1.3.0 or later is required.

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