M300 RTK Release Notes

Released Date:	2022.03.14
Aircraft Firmware:	v03.01.00.14
Remote Controller Firmware:	v03.01.00.10
Pilot App Android	v3.1.1.3 (M300)
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v03.00.01.01
Intelligent Fight Battery:	v01.02.05.40
Zenmuse H20 / H20T:	v03.00.01.02
Zenmuse P1	v03.00.01.04
Zenmuse L1	v03.00.02.00
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 (Enterprise Series):	v2.1.2
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Updated the default period for triggering self-discharge to two days, reducing the storage time at high battery level to prolong battery life.

- Added a strategy where aircraft is prevented from flying when the battery temperature is lower than 10°C, and increased the self-heating cut-off temperature of the battery, so that the battery can work at room temperature (discharge performance is better at room temperature than low temperature), thereby improving flight safety.

- Fixed an occasional issue: where the battery could not be charged due to voltage sampling error or failure to update.

Notes

M300 RTK Release Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2, P1 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

- DJI Pilot app must be updated to v.3.0.1.4 to use Offline Update.

M300 RTK Release Notes

Released Date:	2021.11.30
Aircraft Firmware:	v03.00.01.01
Remote Controller Firmware:	v03.01.00.00
Pilot App Android	V3.0.1.9(M300)
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v03.00.01.01
Intelligent Fight Battery:	v01.02.05.31
Zenmuse H20 / H20T:	v03.00.01.02
Zenmuse P1	v03.00.01.04
Zenmuse L1	v03.00.02.00
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 (Enterprise Series):	v2.1.2
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Fixed issue: customized RTK network connection failed in some countries.

- Fixed issue: Pin Point was displayed at bottom of remote controller screen when takeoff altitude was negative.

- Fixed issue: relative height was incorrectly displayed by default instead of altitude when aircraft entered Live Mission Recording in RTK mode.

- Fixed issue: abnormal metadata appeared in live view.

Notes

M300 RTK Release Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2, P1 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

- DJI Pilot app must be updated to v.3.0.1.4 to use Offline Update.

M300 RTK Release Notes

Released Date:	2021.10.13
Aircraft Firmware:	v03.00.01.01
Remote Controller Firmware:	v03.00.01.02
Pilot App Android	V3.0.1.4(M300)
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v03.00.01.01
Intelligent Fight Battery:	v01.02.05.31
Zenmuse H20 / H20T:	v03.00.01.02
Zenmuse P1	v03.00.01.03
Zenmuse L1	v03.00.01.00
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 (Enterprise Series):	v2.1.1
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Added Offline Update. Offline firmware package can be downloaded from DJI official website to external storage device such as SD card or U disk. Use DJI Pilot to select firmware of remote controller, aircraft, payload, or battery station from the external storage device to update.

- Added one-tap panorama shots when used with Zenmuse H20 series gimbal and camera.

- Added Data and Privacy settings in DJI Pilot, including Network Security Mode, Security Code, and Clear DJI Device Data. When using Security Code, users can download DJI Decrypt Tool PC from DJI official website to decrypt encrypted SD card for access on Windows system.

- For Flight Controller Settings in DJI Pilot:

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- A. Introduced Coordinated Turn.
- B. The satellite positioning system can be switched between BeiDou and GPS+GLONASS.
- C. Increased height limit to 1500 m, except for when within 50 km of airport. Increase height limit only valid until aircraft powered on. Height limit returns to 500 m when aircraft restarted.

- For RTK Settings in DJI Pilot:
  - A. RTK Positioning can be enabled and disabled during flight. Select RTK Service Type first.
  - B. Added Maintain Positioning Accuracy mode.

- For HMS in DJI Pilot:
  - A. Added DJI Care Enterprise.
  - B. Added DJI Maintenance Program.
  - C. Error Records available for battery and battery station (required to connect battery station to remote controller via USB-C cable).
  - D. Manage Logs available for battery and battery station (required to connect battery station to remote controller via USB-C cable).

- Adjusted DJI AirSense warning strategy to reduce the probability of false alarms according to UAV flight characteristics. Optimized DJI Airsense alert interaction in DJI Pilot and added AR projection display in live view to improve flight safety.

- Optimized Mission Flight:
  - A. The aircraft will decelerate when pulling down pitch stick of remote controller during Mission Flight.
  - B. Remote controller cannot control aircraft yaw when Aircraft Yaw is set to Along Route in flight route settings.
  - C. The Mission Flight can be paused by pressing the Pause button on the remote controller or via DJI Pilot app, and can only be resumed via DJI Pilot app.
  - D. Added acceleration and deceleration calibration flight for L1 payload (except for Linear Flight Mission).

- Optimized Return-to-Home (RTH):
  - A. Added tip in DJI Pilot to remind users to exit Auto-RTH and manually control aircraft to return to home point when encountering obstacles during RTH.
  - B. Added ability to exit Auto-RTH by moving remote controller control stick in opposite direction of flight.

- Optimized PinPoint during Manual Flight:
  - A. Allowed users to edit and manage multiple Pin Points.
  - B. Allowed users to set a Pin Point as home point.

- Optimized frequency selection of video transmission to improve anti-interference performance. Added tips in DJI Pilot when aircraft and remote controller experience interference.

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- Optimized PSDK and OSDK interaction for improved user experience.

- Improved shot accuracy of mapping camera.

- Fixed some minor bugs.

Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2, P1 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

- DJI Pilot app must be updated to v.3.0.1.4 to use Offline Update.

M300 RTK Release Notes

Released Date:	2021.05.10
Aircraft Firmware:	v02.04.01.02
Remote Controller Firmware:	v02.04.01.03
Pilot App Android	v2.4.1.7 (M300)
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v02.04.01.01
Intelligent Fight Battery:	v01.02.05.31
Zenmuse H20 / H20T:	v02.04.01.01
Zenmuse P1	v02.04.01.02
Zenmuse L1	v02.04.01.00 or later
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 (Enterprise Series):	v2.1.0
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Added support for DJI Zenmuse L1 gimbal and camera, offering users a complete integrated solution that includes a Livox LiDAR module and a 1-inch CMOS camera sensor.

- Added Altitude Mode to mission flight when using a PSDK 102S camera.

- Optimized calculation method to estimate the amount of time to take photos and also the number of photos left to take, providing users with greater accuracy.

- Fixed issue: the mission could not be uploaded if the altitude was above 5,000 m during a mission flight.

- Fixed issue: when using the Zenmuse H20T, Sun Burn Protection was not disabled even if the Sun Burn Protection Disabled button has been pressed in the app.

M300 RTK Release Notes

Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2, P1 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

M300 RTK Release Notes

Released Date:	2021.03.19
Aircraft Firmware:	v02.02.03.01
Remote Controller Firmware:	v02.02.01.02
Pilot App Android	v2.2.1.7
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v01.05.06.07
Intelligent Fight Battery:	v01.02.05.30
Zenmuse H20 / H20T:	v02.02.01.00
Zenmuse P1	v02.02.01.00
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 For Matrice:	v2.0.13
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Fixed rare issue: error occurred in Mission Flight. It is highly recommended to update firmware to latest version.

- Fixed occasional issue: the aircraft would brake at a distance of 5 meters from the obstacle in the upward direction even if the braking distance was set to more than 5 meters.

Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

http://www.dji.com/matrice-300

M300 RTK Release Notes

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2, P1 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

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M300 RTK Release Notes

Released Date:	2021.02.22
Aircraft Firmware:	v02.02.02.01
Remote Controller Firmware:	v02.02.01.02
Pilot App Android	v2.2.1.7
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v01.05.06.07
Intelligent Fight Battery:	v01.02.05.30
Zenmuse H20 / H20T:	v02.02.01.00
Zenmuse P1	v02.02.01.00
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 For Matrice:	v2.0.13
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Fixed issue: the absolute altitude value was incorrect in the metadata of photos taken by a PSDK camera such as PSDK 102S.

Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used)

are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2, P1 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

M300 RTK Release Notes

Released Date:	2021.02.01
Aircraft Firmware:	v02.02.01.02
Remote Controller Firmware:	v02.02.01.02
Pilot App Android	v2.2.1.7
D-RTK 2 Mobile Station for Matrice:	v03.00.00.16 (D-RTK 2 Mobile Station: v02.02.0505)
Intelligent Battery Station:	v01.05.06.07
Intelligent Fight Battery:	v01.02.05.30
Zenmuse H20 / H20T:	v02.02.01.00
Zenmuse P1	v02.02.01.00
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Skyport:	v01.04.00.00
DJI Skyport V2:	v01.03.02.00
DJI Assistant 2 For Matrice:	v2.0.13
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Added support for DJI Zenmuse P1 gimbal and camera.

- Added support for CSM Radar, which can be used with M300 RTK for obstacle avoidance.

- Optimized display in both camera and FPV view. Updated absolute altitude display (ASL) of the aircraft and RNG points from the ellipsoid height to the altitude (using EGM96 model).

- Optimized Mission Flight:

    (1) Added Terrain Awareness Mode to Mapping Mission. Import a DSM file with ground height information included in order to enter the mode.
    (2) Disabled record and focus/shutter buttons on remote controller during Mapping, Oblique, and Linear Flight Missions to avoid accidentally interrupting operations.

M300 RTK Release Notes

  (3) Added H20 infrared camera and PSDK 102S to camera list when planning flight missions.

  (4) Added description when flight mission is paused.

  (5) Optimized gimbal control mechanism to ensure successful control.

  (6) Fixed issue: not all photos taken during a mission flight were saved.

  (7) Fixed issue: the gimbal yaw rotated abnormally during Waypoint, Mapping, Oblique, and Linear Flight Missions.

  (8) Fixed occasional issue: the last Waypoint could not be executed.

  (9) Fixed occasional issue: unable to automatically exit the Mission Flight once completed.

- Optimized Return-to-Home (RTH):

  (1) Updated default RTH altitude to 100 m (328 ft).

  (2) Updated max RTH flight speed to 15 m/s.

  (3) Updated RTH logic.

    A. Vision system enabled: If RTH is triggered within 50 m (164 ft) from the home point, the aircraft will return to the home point at the current altitude. If RTH is triggered farther than 50 m (164 ft) from the home point, the aircraft will return to the home point at the RTH altitude. Once the aircraft is higher than the RTH altitude, it will return to the home point at the current altitude.

    B. Vision system disabled: the aircraft will return to the home point at the RTH altitude. Once the aircraft is higher than the RTH altitude, it will return to the home point at the current altitude.

- Added restriction so that takeoff is disabled when the remote controller battery level is below 10%.

- Added sound recording when the remote controller is recording the screen.

- Added support for live streaming (GB28181 standard).

- Fixed issue: the D-RTK 2 Mobile Station cannot be found in some areas

- Fixed occasional issue: the incorrect date was displayed on the remote controller.

- Fixed issue: there was no feedback sound when adjusting the media volume on the remote controller.

- Fixed issue: playback speed was slow when connected to DJI Pilot on another mobile device.

- Fixed issue: unable to resume an interrupted flight route when using the Mapbox service.

- Fixed issue: the camera mistakenly zooms in or out when using the gimbal control stick of the remote controller to control the pitch in Advanced Dual Operator Mode.

- Fixed occasional issue: unable to set Night mode and 4K resolution for the Zoom camera of H20.

- Fixed occasional issue: unable to use a battery because it could not be authenticated.

- Fixed occasional issue: unable to reconnect once the Custom Network RTK disconnected.

M300 RTK Release Notes

Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V2.2.1.7 or later.

M300 RTK Release Notes

Released Date:	2021.01.01
Aircraft Firmware:	v01.00.02.14
Remote Controller Firmware:	v01.00.02.14
Pilot App Android	v1.9.1R
D-RTK 2 Mobile Station:	v03.00.00.13
Intelligent Battery Station:	v01.05.06.06
Intelligent Fight Battery:	v01.02.05.28
Zenmuse H20 / H20T:	v01.00.02.11
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Assistant 2 For Matrice:	v2.0.13
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

Remote Controller Firmware
Fixed issue: DJI Pilot stopped running when using M300 RTK in Mainland China.

Notes

- **Users who use Custom Network RTK must update the aircraft firmware to v01.00.02.14 or later. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V1.9.1R or

later.

Released Date:	2020.11.26
Aircraft Firmware:	v01.00.02.14
Remote Controller Firmware:	v01.00.02.13
Pilot App Android	v1.9.0R
D-RTK 2 Mobile Station:	v03.00.00.13
Intelligent Battery Station:	v01.05.06.06
Intelligent Fight Battery:	v01.02.05.28
Zenmuse H20 / H20T:	v01.00.02.11
Zenmuse Z30:	v01.00.07.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.03.02.00
DJI Assistant 2 For Matrice:	v2.0.13
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

Aircraft Firmware
- Improved GNSS stability when using the Custom Network RTK.

Notes

- **Users who use Custom Network RTK MUST update to this firmware version. Otherwise, the aircraft will work abnormally.**

- The aircraft cannot revert to firmware version 01.00.02.11 or earlier once the firmware is updated.

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2 or H20 / H20T.

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- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V1.9.0R or later.

http://www.dji.com/matrice-300

M300 RTK Release Notes

Released Date:	2020.08.24
Aircraft Firmware:	v01.00.02.11
Remote Controller Firmware:	v01.00.02.13
Pilot App Android	v1.9.0R
D-RTK 2 Mobile Station:	v03.00.00.13
Intelligent Battery Station:	v01.05.06.06
Intelligent Fight Battery:	v01.02.05.28
Zenmuse H20 / H20T:	v01.00.02.11
Zenmuse Z30:	v01.00.06.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.02.01.13
DJI Assistant 2 For Matrice:	v2.0.13
Firmware Upgrade Method:	Aircraft / Remote Controller: DJI Assistant 2 / App Zenmuse H20 / H20T: microSD card / DJI Assistant 2 / App D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

Flight Mission

- Added Waypoint Monitor, where the next two waypoints can be displayed as blue diamonds on FPV and camera view. And the arriving waypoints height and flight route speed will be displayed on FPV view.
- The remote controller without flight control rights supports to display the execution status of the simplified route.
- Added Linear Flight Mission, supporting mapping scenes such as rivers and highways.
- The photos taken during Flight Mission are automatically stored in different folders, and the folder names can be customized.

AI Spot-Check

- Added oblique selection box to select the object in the photo for AI Spot-Check.
- The camera will be automatically set to zoom camera in AFS mode. Photo capturing and video recording are disabled to avoid disoperation for AI Spot-Check.
- Optimized the AI Spot-Check stability, improving operation efficiency and user experience.

Firmware Update

http://www.dji.com/matrice-300

M300 RTK Release Notes

- Added a consistency firmware update entrance in the Health Management System.
- Optimized the firmware update in app efficiency.
- Adjusted the minimum battery power requirement for firmware update to 25% for the aircraft and 50% for the remote controller.

Flight Controller
- Added RTK single point backup to improve flight reliability in special scenarios.
- Optimized the return home algorithm during low battery mode to improve the safety of long-distance return home in windy weather.
- Optimized the Three Propeller Emergency Landing feature to improve the controllability during landing.
- The maximum descent speed of P mode is increased from 3 m/s to 4 m/s.

Smart Pin & Track
- Added Look At feature where user can control the gimbal and camera to focus to PIN point using one click.
- Added support to modify the GPS 3D coordinates of the PIN point on map page.
- Adjusted to display the height of RNG and Smart Track as altitude.
- Optimized the Smart Track algorithm to improve tracking accuracy and stability.
- Optimized the RNG feature to improve the stability of ranging.

DJI Pilot App
- Added the ability to display the GPS coordinates of the aircraft on the map page.
- Added tutorial videos academy.
- Added the function to manually switch to the attitude mode, and the T/P/S mode can be set to A/P/S mode in the app.
- Added functionality to export the remote control logs by flight to improve log export efficiency.
- Added an animated prompt for tightening the aircraft arm sleeves.
- Added cache cleaning for Pilot App (such as: pictures, App logs).
- Adjusted to set the top and bottom vision system separately.
- Adjusted the auxiliary light to auto mode after turned off Discreet Mode.
- Adjusted the high wind warning display from the absolute direction to the direction relative to the aircraft.
- Optimized the Enterprise Shield by adding auto activation and status checking.
- Added a vertical speed bar display to the FPV and camera view, improving the flight experience.
- Optimized the pre-flight check list by adding the status display of battery, RTK and other modules.

Advanced Dual Operator Mode
- Added functionality to control the zoom of the camera by using the joystick of the RC with gimbal control.
- Add a pop-up prompt to indicate that the features that remote controller B is not supported, improving the remote controller B operation experience.
- Optimized the display of the gimbal video transmission for the aircraft flight controller pilot. The remote controller without gimbal control can show the camera type and zoom rate.

Video Transmission System

http://www.dji.com/matrice-300

M300 RTK Release Notes

- Added functionality to support the adaptive bit rate for the Video Transmission System of PSDK camera.
- Adjusted the power map to FCC in Hong Kong, China.

Sensing System
- Adjusted the horizontal obstacle avoidance status to four-way independent display, and supported to use the infrared sensor for obstacle avoidance once the vision system obstacle avoidance failed.
- Optimized the positioning stability for the vision system.

Remote Controller
- Added functionality to control the camera zoom by rotating the Gimbal Pan Control Dial with holding the Confirm Button.
- Added the remote controller vibration for reminding when the RTK/GPS/vision signal is lost.
- Added functionality to adapt external mobile devices (recommended devices: Samsung Galaxy Tab S6, Xiaomi tablet 4, Huawei M3, M5, M6).

Notes

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V1.9.0R or later.

M300 RTK Release Notes

Released Date:	2020.06.04
Aircraft Firmware:	v01.00.01.09
Remote Controller Firmware:	v01.00.01.08
Pilot App Android	v1.8.0R
D-RTK 2 Mobile Station:	v03.00.00.13
Intelligent Battery Station:	v01.05.06.04
Intelligent Fight Battery:	v01.02.05.22
Zenmuse H20 / H20T:	v01.00.01.08
Zenmuse Z30:	v01.00.06.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09
DJI X-Port:	v01.01.01.00
DJI Assistant 2 For Matrice:	v2.0.11
Firmware Upgrade Method:	Aircraft / Remote Controller / D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Gimbal and Camera: microSD card Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

Aircraft Firmware

- Fixed the issue where the RTK positioning data is difficult to converge or the convergence time is too long in some areas.

Notes

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V1.8.0R or later.

M300 RTK Release Notes

Released Date:	2020.05.14
Aircraft Firmware:	v01.00.01.08
Remote Controller Firmware:	v01.00.01.08
Pilot App Android	v1.8.0R
D-RTK 2 Mobile Station:	v03.00.00.13
Intelligent Battery Station:	v01.05.06.04
Intelligent Fight Battery:	v01.02.05.22
Zenmuse H20 / H20T:	v01.00.01.08
Zenmuse Z30:	v01.00.06.10
Zenmuse XT2:	v01.00.03.50
Zenmuse XT S:	v01.00.00.09 (Coming soon)
DJI X-Port:	v01.01.01.00
DJI Assistant 2 For Matrice:	v2.0.11
Firmware Upgrade Method:	Aircraft / Remote Controller / D-RTK 2 Mobile Station: DJI Assistant 2 The built-in DJI Pilot app: will be updated with the Remote Controller firmware Gimbal and Camera: microSD card Intelligent Battery Station: App (Connect the Battery Station to the remote controller and update it on the HMS page in the DJI Pilot app.)

What's new?

- Adds support for Zenmuse XT S, Z30 and XT2. Note that XT2 can only be mounted on the 1st gimbal port.

- Supports the ability to select two video transmissions (FPV included) to display. Supports up to three video transmissions when using Advanced Dual Operator Mode.

- Updates the manuals in DJI Pilot app.

- Supports customizable button setting for the remote controller.

- Supports Update All function to update firmware (aircraft, remote controller and H20 / H20T) in app.

- Adds Primary Flight Display (PFD) in app, which can help users to see the aircraft information and 6 Directional Sensing and Positioning information more intuitively and easily.

- Adds Smart Pin & Track, allowing users to locate and track the mobile target, and share the location.

M300 RTK Release Notes

- Supports photo download from the camera for OSDK.

- Supports accurate meta-tagging for PSDK payloads.

- Adds support for Three-propeller Emergency Landing if the aircraft loses the capability of one motor during flight.

- Adds support for GEO Unlocking.

- Optimizes obstacle avoidance logic in the vertical direction of the aircraft.

- Optimizes control precision for AI Spot-check.

- Optimizes battery self-heating and protection strategy and battery balancing function.

- Fixed occasional issue: Breakpoints prevent the aircraft from continued flight in Flight Mission.

Notes

- Make sure that the aircraft, remote controller, battery, D-RTK 2 mobile station (if used), payload (if used) are updated to the latest firmware version.

- Download the latest firmware from official website to microSD card to update the ZenmuseZ30, XT S, XT2 or H20 / H20T.

- It is required to use the DJI Pilot app built-in the remote controller, or download the app of V1.8.0R or later.

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