



DJI Matrice 4 Series Release Notes

Date:	2025.08.28
Aircraft Firmware:	v14.03.00.09
Remote Controller Firmware:	v01.64.06.03
AS1 Firmware:	v01.00.01.11
AL1 Firmware:	v01.00.29.85
D-RTK 3 Firmware:	v14.03.00.06
DJI Pilot 2 App:	v14.3.0.34
DJI Assistant 2:	v2.1.20

What's New

- Added support for DJI Matrice 4 Obstacle Sensing Module, improving flight safety in complex environments.
- Added support for Manifold 3. With Manifold 3, Smart 3D Capture supports Smart 3D Explore to create rough models, making mapping easier to master.
- Added support for Patrol Route to use third-party visual recognition algorithms, making smart tasks more comprehensive and flexible.
- Optimized AR street landmark classification, allowing more detailed customization of display content.
- Optimized image quality in infrared inspection mode, allowing adjustment of image grayscale and high-temperature contrast ratio.
- Added support to use third-party infrared algorithms for recognition.
- Added support to save infrared images in DLT-664 standard format.
- Added support for calculating spatial area in spatial annotation.
- Added support for RTSP livestream to push streams that meet MISB standards.
- PSDK opens the laser ranging interface.
- Optimized the airborne relay interaction experience.

Notes:

- Once the firmware is updated, the remote controller cannot revert to firmware version v01.61.04.05 or earlier.

<https://enterprise.dji.com/matrice-4-series>



DJI Matrice 4 Series Release Notes

- Make sure the aircraft and remote controller are fully charged before updating the firmware. Restart the aircraft and remote controller after the update is complete.
- If the update fails, restart the aircraft, remote controller, and DJI Pilot 2 or DJI Assistant 2 (Enterprise Series), and retry.
- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.



DJI Matrice 4 Series Release Notes

Date:	2025.06.26
Aircraft Firmware:	v14.01.00.12
Remote Controller Firmware:	v01.64.05.17
AS1 Firmware:	v01.00.01.11
AL1 Firmware:	v01.00.29.85
D-RTK 3 Firmware:	v14.01.00.03
DJI Pilot 2 App:	v14.1.0.72
DJI Assistant 2:	v2.1.17

What's New

- Fixed some known issues.

Notes:

- Once the firmware is updated, the remote controller cannot revert to firmware version v01.61.04.05 or earlier.
- Make sure the aircraft and remote controller are fully charged before updating the firmware. Restart the aircraft and remote controller after the update is complete.
- If the update fails, restart the aircraft, remote controller, and DJI Pilot 2 or DJI Assistant 2 (Enterprise Series), and retry.
- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.



DJI Matrice 4 Series Release Notes

Date:	2025.06.10
Aircraft Firmware:	v14.01.00.10
Remote Controller Firmware:	v01.64.05.09
AS1 Firmware:	v01.00.01.11
AL1 Firmware:	v01.00.29.85
D-RTK 3 Firmware:	v14.01.00.03
DJI Pilot 2 App:	v14.1.0.58
DJI Assistant 2:	v2.1.17

What's New

- Airborne Relay supports more aircraft models. DJI Matrice 4D Series and DJI Matrice 400 can work as the relay aircraft for DJI Matrice 4 Series. Make sure that both the relay aircraft and the main aircraft have been updated to the latest firmware versions before use.
- Added support for Patrol Route, enabling automatic Smart Capture and alerts for smarter, more efficient operations.
- Added support for intelligent infrared detection.
- Added support for displaying AR Street in the camera view.
- Added support to view the captured subjects in the playback if Smart Capture is enabled when recording videos.
- Added support for offline browsing of intelligent detection and statistical results from high-resolution grid photography on computers.
- Added support for recording videos compliant with MISB standards, enabling geospatial video applications on GIS platforms.
- Added relevant features to meet local regulatory requirements.

Notes:

- Once the firmware is updated, the remote controller cannot revert to firmware version v01.61.04.05 or earlier.
- Make sure the aircraft and remote controller are fully charged before updating the firmware. Restart the aircraft and remote controller after the update is complete.
- If the update fails, restart the aircraft, remote controller, and DJI Pilot 2 or DJI Assistant 2 (Enterprise Series), and retry.

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- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.



DJI Matrice 4 Series Release Notes

Date:	2025.04.15
Aircraft Firmware:	v13.01.00.10
Remote Controller Firmware:	v01.61.04.05
AS1 Firmware:	v01.00.01.11
AL1 Firmware:	v01.00.29.85
D-RTK 3 Firmware:	v13.01.00.04
DJI Pilot 2 App:	v13.1.0.19
DJI Assistant 2:	v2.1.15

What's New

- Added terrain follow during manual flight.
- Added support for manually disabling the 3D infrared sensing system at the bottom of the aircraft.
- Added ability to fine-tune flight speed with the C4 scroll wheel during cruise control.
- Added ability to bypass custom GEO Zones for the area route.
- Geometric route and slope route support custom break point. The break point can be modified in the flight route settings.
- Smart detection supports confidence threshold adjustment, which increases the number of recognized subjects. It also supports uploading multiple algorithms to the aircraft.
- Added inspection scene for Matrice 4T when using infrared thermal camera.
- Added smart oblique in ortho collection for Matrice 4T.
- Matrice 4T gimbal tilt angle supports up to 70°.
- Added remote link for D-RTK 3 in relay station mode, allowing remote controllers nearby to connect to the relay station remotely without button operations.
- Added quick strobe and alternating strobe modes for the spotlight.
- The speaker's text-to-speech function supports multiple languages: Mandarin, English, Korean, Japanese, French, and Spanish.
- Added remote control of speaker and spotlight via Live Flight Controls in DJI FlightHub 2.

Notes:

- Make sure the aircraft and remote controller are fully charged before updating the firmware.

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Restart the aircraft and remote controller after the update is complete.

- If the update fails, restart the aircraft, remote controller, and DJI Pilot 2 or DJI Assistant 2 (Enterprise Series), and retry.
- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.



DJI Matrice 4 Series Release Notes

Date:	2025.03.17
Aircraft Firmware:	v12.01.06.07
Remote Controller Firmware:	v01.61.03.05
AS1 Firmware:	v01.00.01.11
AL1 Firmware:	v01.00.29.74
D-RTK 3 Firmware:	v13.00.00.04
DJI Pilot 2 App:	v13.0.2.5
DJI Assistant 2:	v2.1.15

What's New

- Optimized the gimbal control of the spotlight to improve user experience.

Notes:

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- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.



DJI Matrice 4 Series Release Notes

Date:	2025.02.27
Aircraft Firmware:	v12.01.06.06
Remote Controller Firmware:	v01.61.03.05
AS1 Firmware:	v01.00.01.11
AL1 Firmware:	v01.00.28.99
D-RTK 3 Firmware:	v13.00.00.04
DJI Pilot 2 App:	v13.0.2.5
DJI Assistant 2:	v2.1.15

What's New

- Fixed some known issues.

Notes:

- Make sure the aircraft and remote controller are fully charged before updating the firmware. Restart the aircraft and remote controller after the update is complete.
- If the update fails, restart the aircraft, remote controller, and DJI Pilot 2 or DJI Assistant 2 (Enterprise Series), and retry.
- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.



DJI Matrice 4 Series Release Notes

Date:	2025.01.08
Aircraft Firmware:	v12.00.01.07
Remote Controller Firmware:	v01.41.02.08
AS1 Firmware:	v01.00.01.10
AL1 Firmware:	v01.00.28.27
D-RTK 3 Firmware:	v12.00.00.05
DJI Pilot 2 App:	v12.0.0.61
DJI Assistant 2:	v2.1.14

What's New

- Added support for offline map return to home.
- Added quality report for photogrammetry flight tasks, allowing on-site task quality feedback to improve efficiency.
- Added support for remote control in DJI FlightHub 2, allowing simultaneous control of flight attitude and gimbal camera, as well as remote takeoff and landing, intelligent flight modes, and multiple flight route planning features such as Smart 3D Capture, geometric route, and slope route.
- Added support to import third-party algorithm models to expand AI-based detection scenarios and view detected subjects during playback.
- Added support for D-RTK 3 Multifunctional Station to use Base Station calibration and Relay Station functions.
- Optimized Smart Oblique for Ortho Collection.
- Added switch to enable or disable Spotlight Follow Camera, allowing the spotlight to operate independently. This function supports setting remote controller shortcut keys.
- Added Wide FOV Lighting for the spotlight, providing a broader coverage area.
- Optimized the speaker's echo suppression effect of real-time broadcasting at close range.

Notes:

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- Make sure the firmware of the aircraft and the remote controller, and DJI Pilot 2 are the latest versions. Otherwise, usage may be affected.