



## D-RTK 3 Known Issues List

Date:	2025.01.08
D-RTK 3 Firmware:	v12.00.0005
DJI Matrice 4 Series Firmware:	v12.00.01.07
DJI RC Plus 2 Enterprise Firmware:	v01.41.02.08
DJI Pilot 2 App:	v12.0.0.61
DJI Assistant 2:	v2.1.14

\* Make sure to update the aircraft, the remote controller, and the D-RTK 3 to the latest firmware version. Otherwise, they will not be compatible with each other.

### Issues not resolved in v12.00.0005:

No.	Issue Description	Workaround Solution
1.	In some scenarios, after using Custom Network RTK to calibrate the D-RTK 3 base station coordinates, when the aircraft connects to the D-RTK 3 for aerial surveying, the mapping results may have systematic deviations.	The calibration accuracy of the D-RTK 3 is affected by the ionospheric activity level and the source data accuracy of Custom Network RTK. For high-precision aerial surveying, make sure to obtain the base station coordinates in advance and use the manual calibration to set the base station coordinates before conducting the survey.
2.	In certain areas or periods, using the D-RTK 3 Rover Station mode to collect GCPs may result in systematic deviations.	The measurement accuracy of the D-RTK 3 is affected by the ionospheric activity level and the source data accuracy of Custom Network RTK. For high-precision mapping and point collection, it is recommended to avoid working during periods of high ionospheric activity.
3.	In D-RTK 3 Rover Station mode, enabling the tilt survey point collection function may result in multiple inertial navigation system error prompts during the point collection process.	The accuracy of the inertial navigation system will drift and deviate over time. When the DJI Enterprise app indicates inertial navigation system error and the inertial navigation system calibration icon turns red, you can directly shake the device to recalibrate the inertial navigation system.
4.	In D-RTK Base Station and Relay Station mode, if you initiate custom network RTK calibration and then stop it before completion, and then initiate PPP calibration, the calibration view will not display real-time calibration information, and the PPP calibration cannot be completed.	After restarting the D-RTK 3, or successfully calibrating once using manual calibration, custom network RTK calibration, or other calibration methods, PPP calibration can return to normal.
5.	When manually calibrating the D-RTK 3 coordinates, the elevation information obtained by adding the ground point coordinate elevation and the survey pole height is inconsistent with the elevation information obtained from custom network RTK calibration.	The current elevation information obtained from the custom network RTK calibration is the elevation information at the D-RTK 3 antenna phase center. When manually calibrating the D-RTK 3 coordinates, make sure to add an additional 10 cm antenna height compensation on top of the ground point elevation plus the survey pole height.
6.	In D-RTK 3 Rover Station mode, when marking control points, the horizontal and vertical	The standard deviation reflects the internal consistency accuracy of the previous few epochs

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	standard deviation is relatively large after obtaining the first fixed solution.	and does not represent the absolute accuracy of the current RTK positioning result. When the RTK status is a fixed solution, the absolute accuracy is up to standard.
7.	When using PPP in regions outside the Asia-Pacific, such as Europe, PPP cannot search for satellites and converge.	Currently, PPP only supports BeiDou PPP-b2b and Galileo E6. More support will be added in future firmware updates.