

List of Known Zenmuse L1 Issues

Released on	2021.05.24
M300 RTK Drone Firmware	V02.04.01.02
M300 RTK Remote Control Firmware	V02.04.01.03
Pilot App Version	V2.4.1.7
Zenmuse L1 Firmware	V02.04.01.08
DJI Terra Version	V3.0.0

No.	Description of Issue	Impact and Avoidance
1	There is often a small amount of airborne noise in the data collected in rain, fog, or haze.	Currently, we recommend using third-party software (e.g., the free software CloudCompare) to filter the noise. This issue will be improved in subsequent firmware.
2	A color shift often occurs in the point cloud coloring, e.g., power lines or towers are overlaid with the color of surrounding trees.	This issue will be improved in subsequent versions.
3	In mapping and aerial photography tasks, the "Terrain Adaptation Flight" and "Calibration Flight" functions cannot be enabled at the same time.	Currently, we recommend performing manual calibration and then enabling Terrain Adaptation Flight. This issue will be fixed in subsequent versions.
4	The data collected when the drone is stationary on the ground cannot be used in post-processing modeling.	Post-processing of stationary ground data is not supported in the current version, but will be supported in subsequent versions.
5	When the image transmission signal is poor, the app prompts "Real-time point cloud transmission unstable. Cannot refresh current point cloud data", and the point cloud image transmission screen is black. The screen will recover after the image signal is restored.	This issue only affects the online point cloud refresh of the app, but does not affect the normal collection of radar data or the integrity of the post-processing point cloud model.

<http://www.dji.com/zenmuse-L1>

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6	In the preview interface, the real-time point clouds outside the 2 km radius of the initial point cloud are no longer refreshed.	A real-time point cloud outside the 2 km radius is no longer refreshed in the preview interface, but it can still be refreshed in the point cloud image transmission interface. This does not affect the data collection.
7	When a non-standard SD card is used, the app often prompts "Load CPU Overload".	We suggest using the high-speed read-write card recommended on the L1 Specs page of the official DJI website. Otherwise, point cloud data may be lost.
8	When the data collected by non-repeat scanning on a tilt photography route is post-processed with DJI Terra, if the point cloud accuracy optimization option is ticked, the processing speed is often slower than that of data collected in other modes.	If you have high accuracy requirements, please be patient. If you are more concerned with the processing speed, we recommend that you do not tick this option. Subsequent versions will provide more efficient processing.
9	The absolute accuracy of the point cloud gradually decreases after the drone flies for more than 100s at a uniform speed.	Currently, we recommend limited uniform-speed flight times to no more than 100s in the measurement area. For example, if the flight speed is 10 m/s, the distance between neighboring waypoints should not exceed 1 km.