

# Frequently Asked Questions

1. **Question: what happens if I run out of free space on the memory card while recording data (ALS or MLS)?**

Answer: recording files to the memory card will stop, but recording to internal memory will not start. No further shooting data will be recorded. It is recommended that you check the remaining space on the memory card in advance and clear it if necessary.

2. **Question: Why is it recommended for MLS to use electric transportation: scooter, scooter, etc. for TOPODRONE BackPack?**

Answer: to reduce vibrations, wave-like surges (in human gait) and a smoother overall trajectory.

3. **Question: Why is it recommended that a ALS or MLS session not exceed 30 min?**

Answer: it has been experimentally determined that when the ALS data recording time exceeds more than 30 min.

4. **Question: Topodrone LiDAR does not download data to the external flash drive after writing data to the internal memory.**

Answer: it can be one of the following reasons:

a) When connecting an external drive to the USB Type-C connector, make sure that the external drive is properly (all the way) connected to the USB Type-C port of the Topodrone LiDAR. If you are using a USB OTG adapter, make sure it is correct.

b) The TOPODRONE LiDAR has not been initialized before being prepared for use for ALS or MLS. For example, due to an unconnected external antenna cable or insufficient GNSS signal quality. Even if GNSS data is lost during ALS or MLS, the data set in the internal memory of the Topodrone LiDAR will still be generated and available for download.

c) The data from the Topodrone LiDAR has already been previously overwritten and deleted from the internal memory after a successful transmission.

5. **Question: is it necessary to perform an infinity or front-back calibration maneuver every ALS or MLS session?**

Answer: yes, calibration maneuver must be performed every time before the main area survey starting.

This maneuver is necessary to correctly calibrate the built-in TOPODRONE LiDAR's IMU.

6. **Question: TOPODRONE LiDAR does not initialize, what should I do?**

Answer: check the following points

a) It is necessary to check the adequacy of the GNSS signal in the place where flights are

planned

b) Check that the antenna cable is connected and the GNSS antenna is installed correctly

c) The laser scanner is in motion Set the laser scanner stationary, turn off the power, wait 20 seconds and turn it on again

**7. Question: The TOPODRONE laser scanner makes a small buzzing sound when it is turned on, is this normal?**

Answer: This is a normal sign of the rotation mechanism of the laser scanning units and is not a malfunction

**8. Question: What happens if I remove the external flash drive from the internal memory of the TOPODRONE LiDAR without waiting for the rewriting to finish?**

Answer: The last file set archive that was not successfully moved to the end will remain on the internal memory of the laser scanner until the next time the external flash drive is connected.

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