To.
ACSL SOTEN owners

October 13, 2026

Service Letter ACSL-SOTEN-SB26-005
ACSL TAKEOFF for SOTEN
Version 2.6.1 Release Notes

Thank you for your continued use of ACSL SOTEN. On October 13, 2026, ACSL TAKEOFF for SOTEN version 2.6.1 was released with the improvements described in this document. Please read this document thoroughly and then follow the instructions in the TAKEOFF User Manual to update ACSL TAKEOFF on your devices and the firmware of your ACSL SOTEN aircraft and accessories.

The ACSL TAKEOFF for SOTEN ground control application version 2.6.1 includes SOTEN aircraft (Nx) firmware version 1.2.29, CX-GB100 (standard) and CX-GB400 (optical zoom) camera firmware version 1.25, CX-GB200 (thermal + visible) camera version 1.24, and CX-GB300 (multispectral) camera firmware version 1.23. SOTEN aircraft (Nx) firmware includes updates to the flight controller and other aircraft systems. There are no updates to the firmware for the controllers or for the SAMO camera with this release. When the SOTEN aircraft is successfully updated, the "System Information" tab in the "Settings" view of the TAKEOFF application should indicate "Nx 1.2.29" as shown in Figure 1.

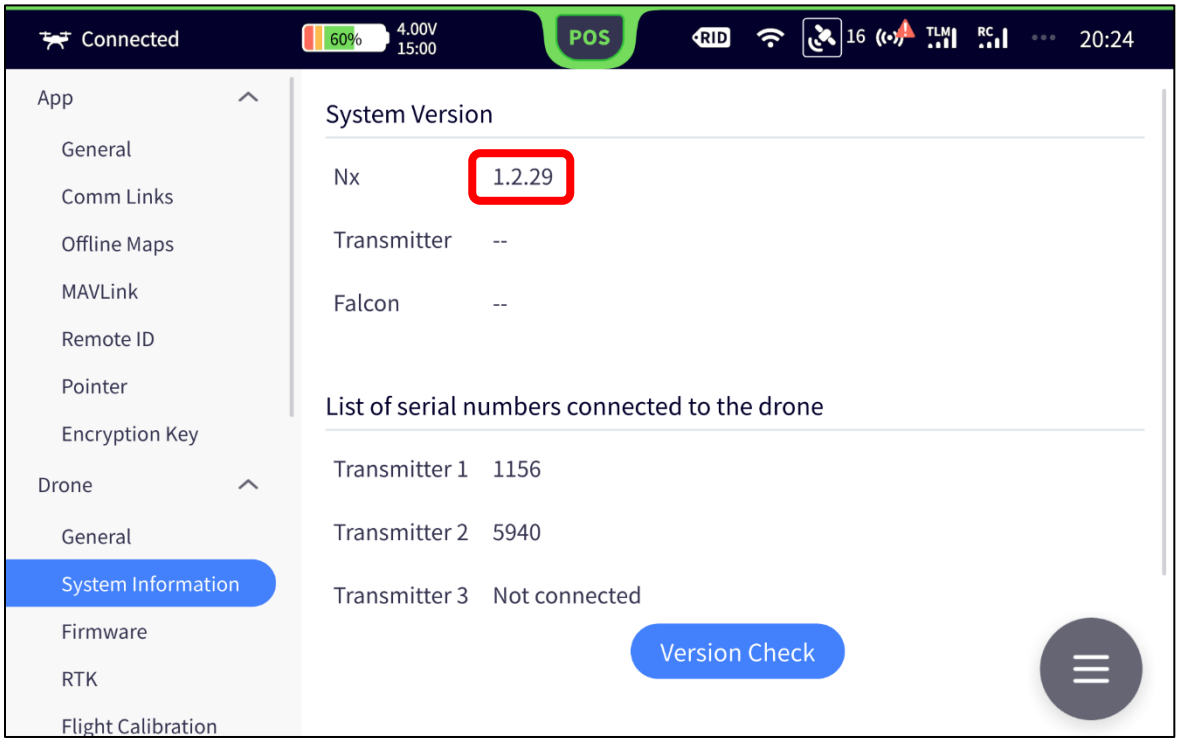


Figure 1. ACSL TAKEOFF ground control application "System Information" tab.

Ensure the aircraft battery and controller are fully charged before starting the firmware update, and perform the update where communications are stable. Do not power off the aircraft or controller at any point during the update. Wait until the update has completed.

After the SOTEN aircraft firmware update, the controller connection will be temporarily lost but will reconnect automatically. Once reconnected, press the "Version Check" button in the "System Information" tab in the TAKEOFF application to confirm that the firmware version has been updated.

If 'BATTERY FIRMWARE OLD' appears on the controller's LCD, the battery firmware needs to be updated. The battery firmware update will begin automatically after the aircraft firmware (and the controller firmware, if applicable*) has been updated and the aircraft is powered on again. Do not power off during the battery firmware update. Confirm that the battery firmware version is current before returning the aircraft to service.

Major Firmware Updates

1. Customizable low battery alert thresholds

   The battery level at which TAKEOFF displays the low battery caution and warning alerts can now be set to a value of your choosing. Set these thresholds to suit your operating environment and flight plan, and verify the configured values before flight.

Notification	Default	User-settable range
Battery level low (warning)	13%	13% to 55%
Battery level low (caution)	24%	18% to 60%

   Note: The warning threshold must be set at least 5% below the caution threshold. (See TAKEOFF User Manual v3.10, p. 71)

2. Terrain data included in offline maps

   Offline maps downloaded from Mapbox now include terrain elevation data. Terrain information is available when operating without an internet connection, provided the relevant map area was downloaded in advance.

3. Other improvements
   - Added a search bar to the Offline Maps screen.
   - Added tap to focus during video recording (CX-GB100 and CX-GB400 only).
   - Added an on-screen notice indicating that a restart is required after changing Safety Features or Collision Avoidance Sensor settings.
   - Expanded the camera exposure compensation range from ±2 to ±3.
   - Removed the Camera Position setting (CX-GB300 only).
   - Fixed minor UI issues in the Plan view.

Note that this update can be performed from any previous version and all updates from all previous versions will be included in the update.

RTK

The "RTK" tab has been displayed in the TAKEOFF settings since version 2.4.3. RTK positioning requires compatible RTK equipment and a correction data source, which are sold separately. See Service Letter ACSL-SOTEN-SB26-003 for details on RTK configuration. If you are not using RTK, no configuration is required and normal flight operation is unaffected.

Precautions

When the SOTEN aircraft is updated with the firmware that is included with this version of TAKEOFF **some of the aircraft settings will be automatically reset to their default values**. Any previous changes to those aircraft settings will not be retained. If you wish to keep the current settings, make a record of the settings prior to the update and reenter those settings after the update. The settings that will be reset are summarized in the screenshots below.

- Restrictions (GPS) settings will reset to those shown in Figure 2.

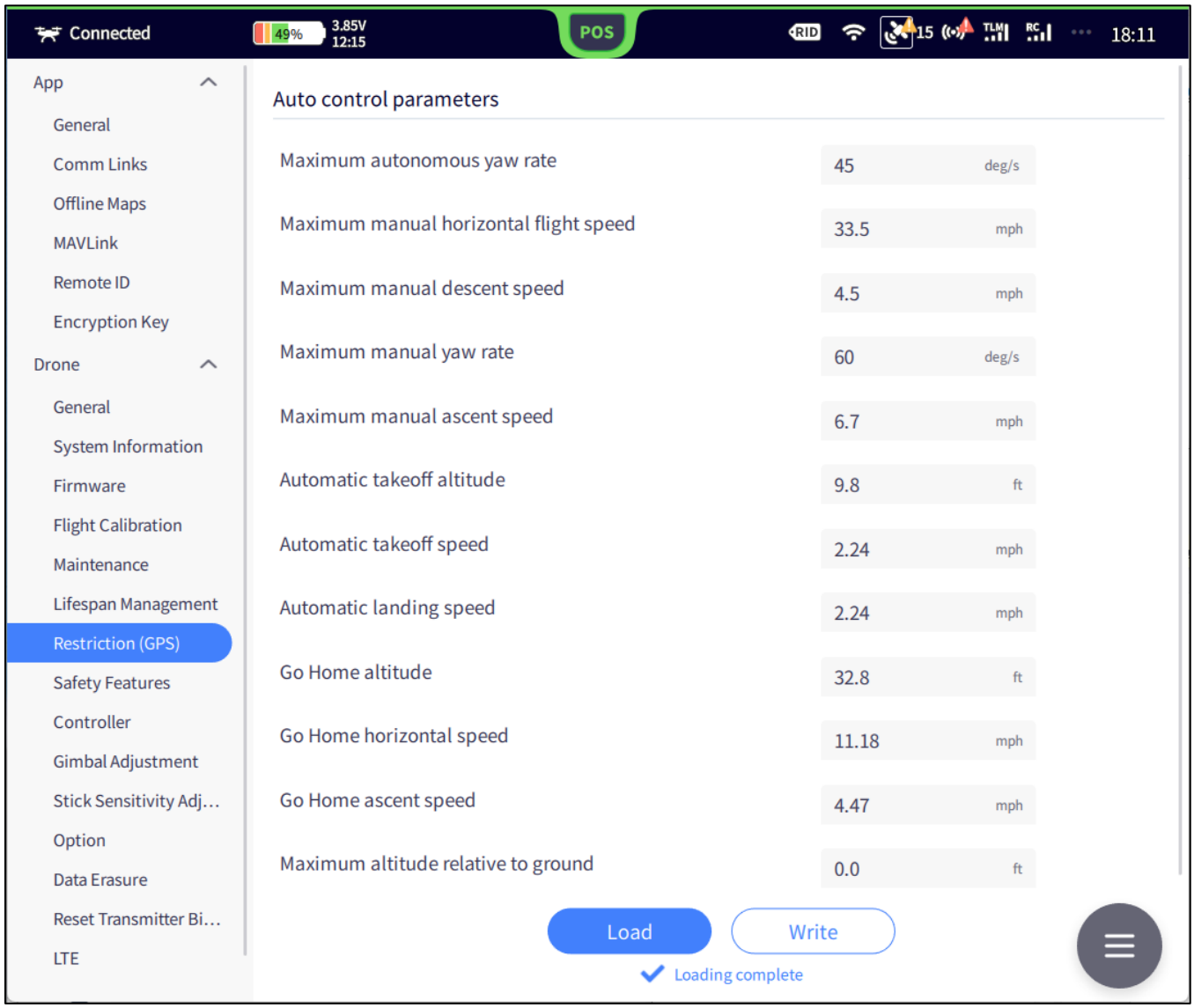


Figure 2. The Restrictions (GPS) default settings.

- The Safety Features settings will reset to those shown in Figure 3.

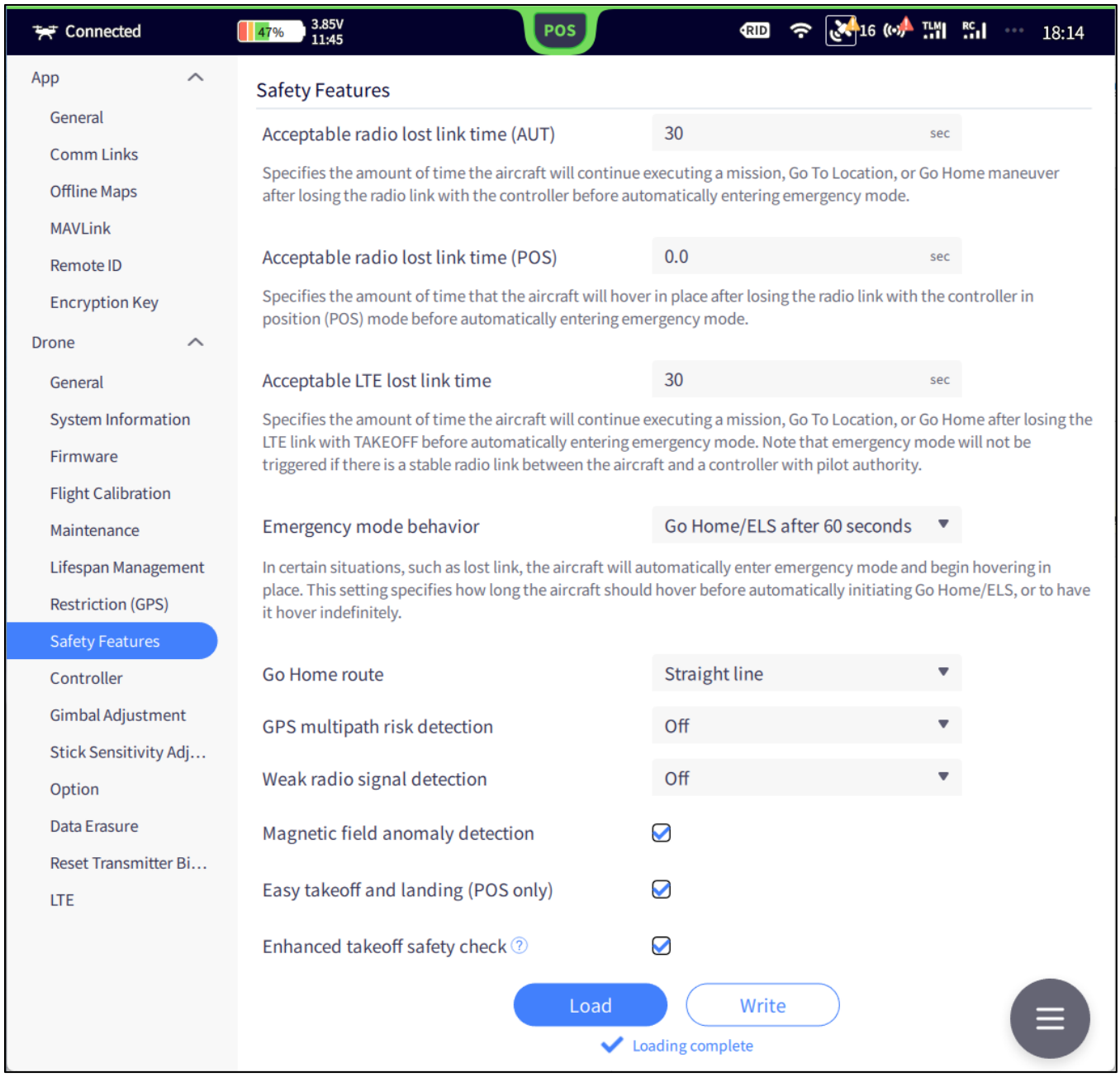


Figure 3. The Safety Features default settings.

- The Stick Sensitivity settings will reset to those shown in Figure 4.

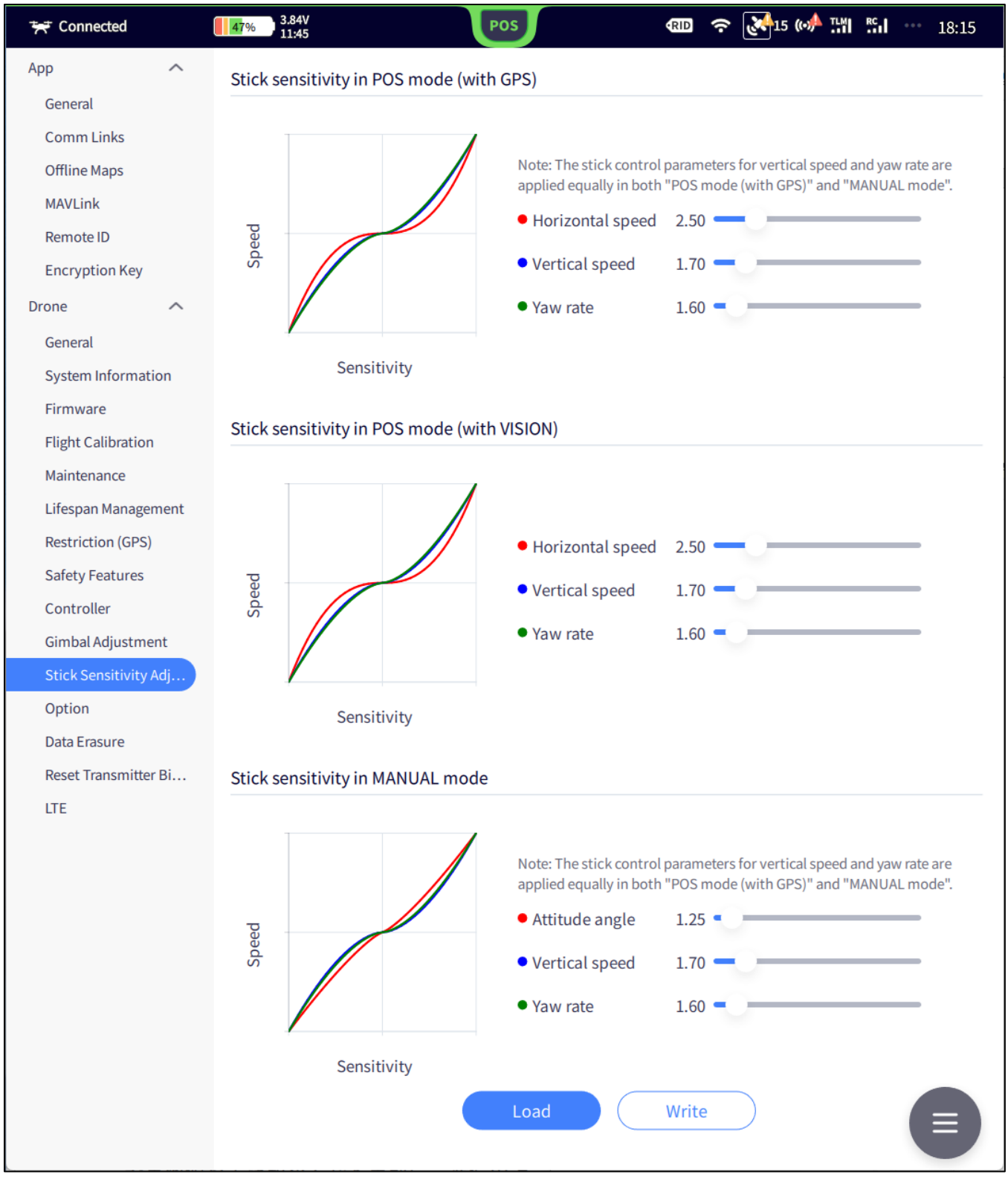


Figure 4. The Stick Sensitivity default settings

- The Gimbal Adjustment settings will reset to those shown in Figure 5.

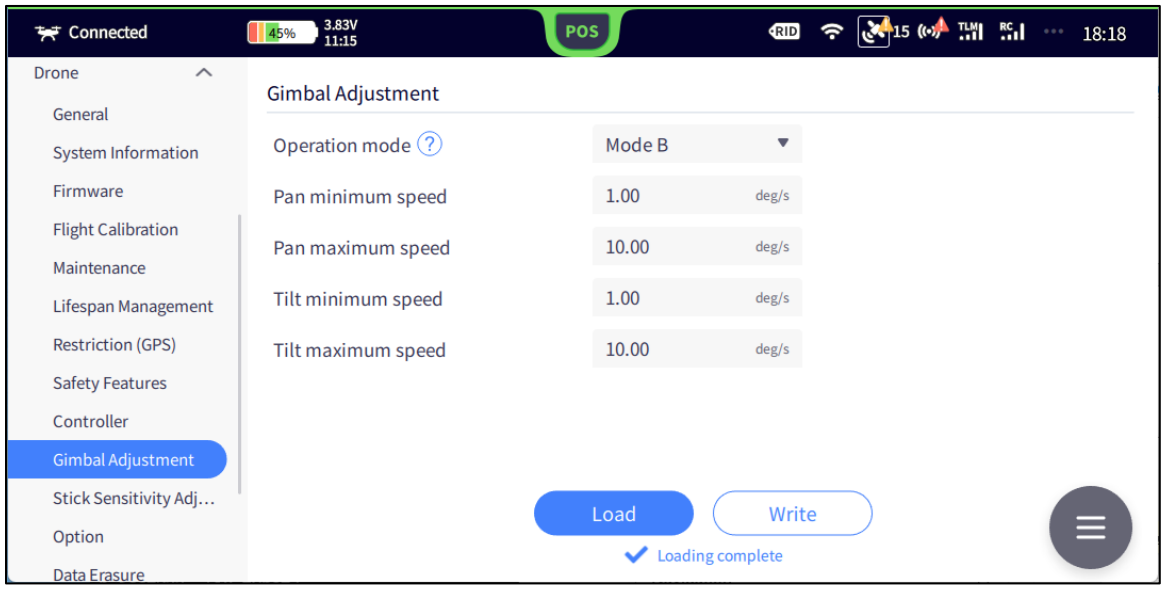


Figure 5. The Gimbal Adjustment default settings.

- The Option settings will reset to those shown in Figure 6.

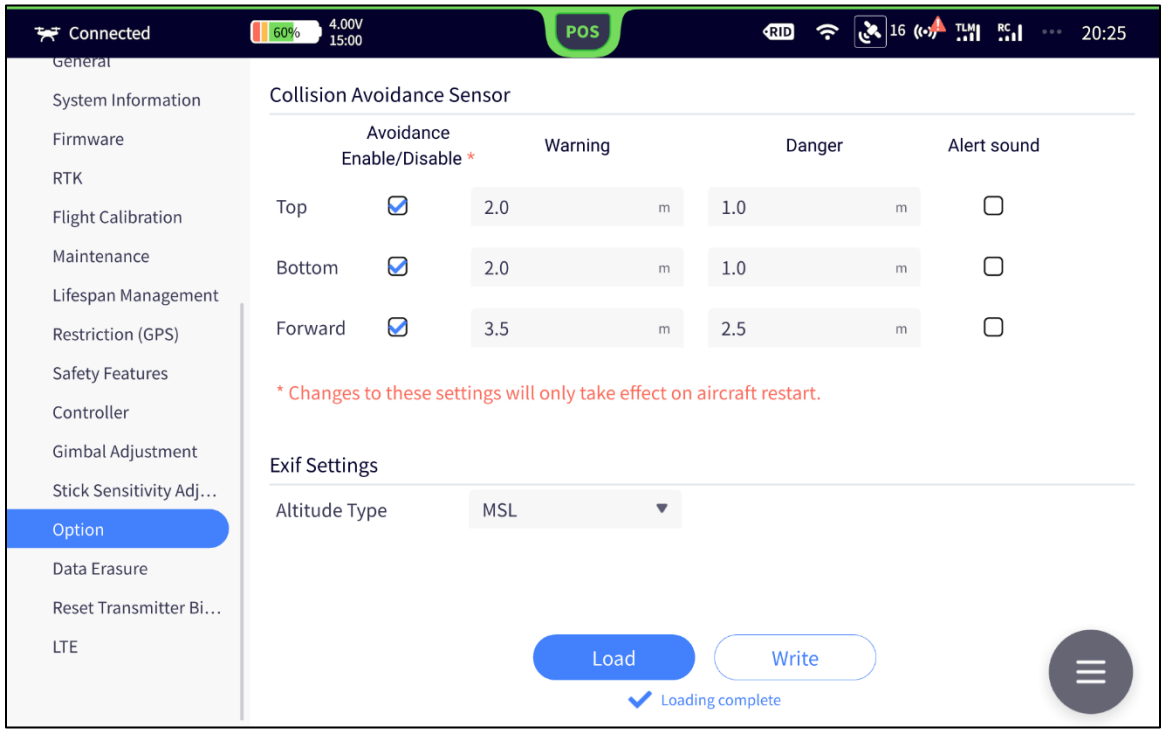


Figure 6. The Option default settings.

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