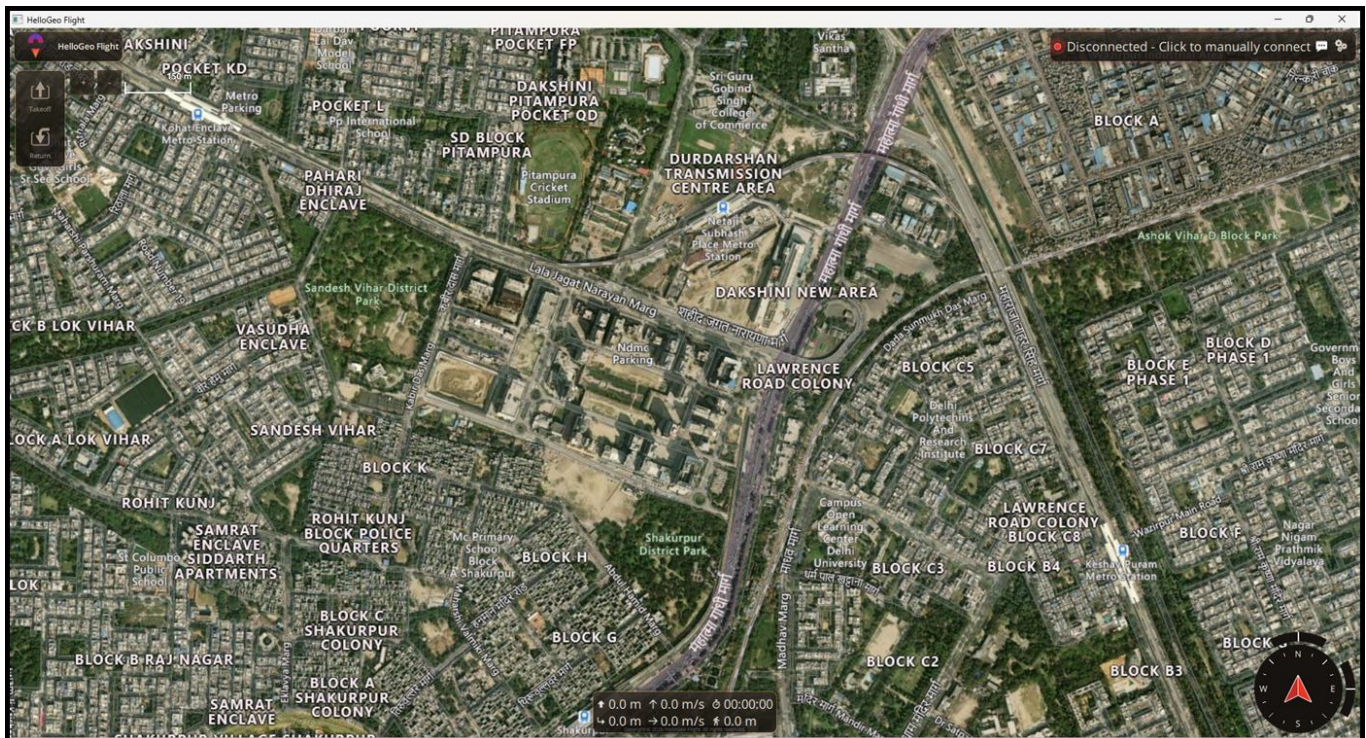




HELLOGEO FLIGHT PRODUCT PUBLICATION

HelloGeo Flight User Guide

A simplified, screen-led guide to download, plan, connect, fly and review missions with confidence.



PLAN
Mission-ready

FLY
Live control

ANALYZE
Post-flight insight

Edition 1.0 / App baseline 1.0.0 | Pilots, survey teams and field operators | Published 30 August 2026
Say hello to every coordinate. [Google Play](#) | support@hologeo.world

QUICK START

Download and start in five minutes

Install the app, explore the interface offline and connect only when the aircraft is ready.

Download HelloGeo Flight

Android package: com.hellogeo.gcs

[Open the official Google Play listing](#)

Need help? support@hellogeo.world



SCAN TO DOWNLOAD

- **Install** — Scan the QR code or open the Google Play link and install HelloGeo Flight.
- **Open** — Allow the permissions required for your approved connection and file workflow.
- **Explore offline** — Open Plan Flight, create a sample mission and review the GeoFence and Rally tabs.
- **Prepare the aircraft** — Power the aircraft/controller in a safe area and use the approved link.
- **Confirm live data** — Wait for a connected banner, credible position, home point and stable telemetry.

SAFETY

Before flight: A successful connection is not the same as flight readiness. Complete the pre-flight checklist and the aircraft manufacturer's checks every time.

01 / READINESS

Before every flight

Use the same short checklist in the same order; stop if any item cannot be confirmed.

CHECK	CONFIRM
Site	Launch/landing area is controlled; people, obstacles, weather and airspace have been assessed.
Aircraft	Airframe, propellers, payload, antennas and landing gear are secure and serviceable.
Power	Aircraft, controller and device batteries meet the mission and return reserve requirement.
App	Correct HelloGeo Flight version, project, units, map and intended vehicle are selected.
Position	GNSS state and map position are credible; the home point is established.
Mission	Route, altitude, speed, terrain, camera behavior and total mission demand are reviewed.
Safety	GeoFence, rally/return plan, emergency action and observer communication are confirmed.

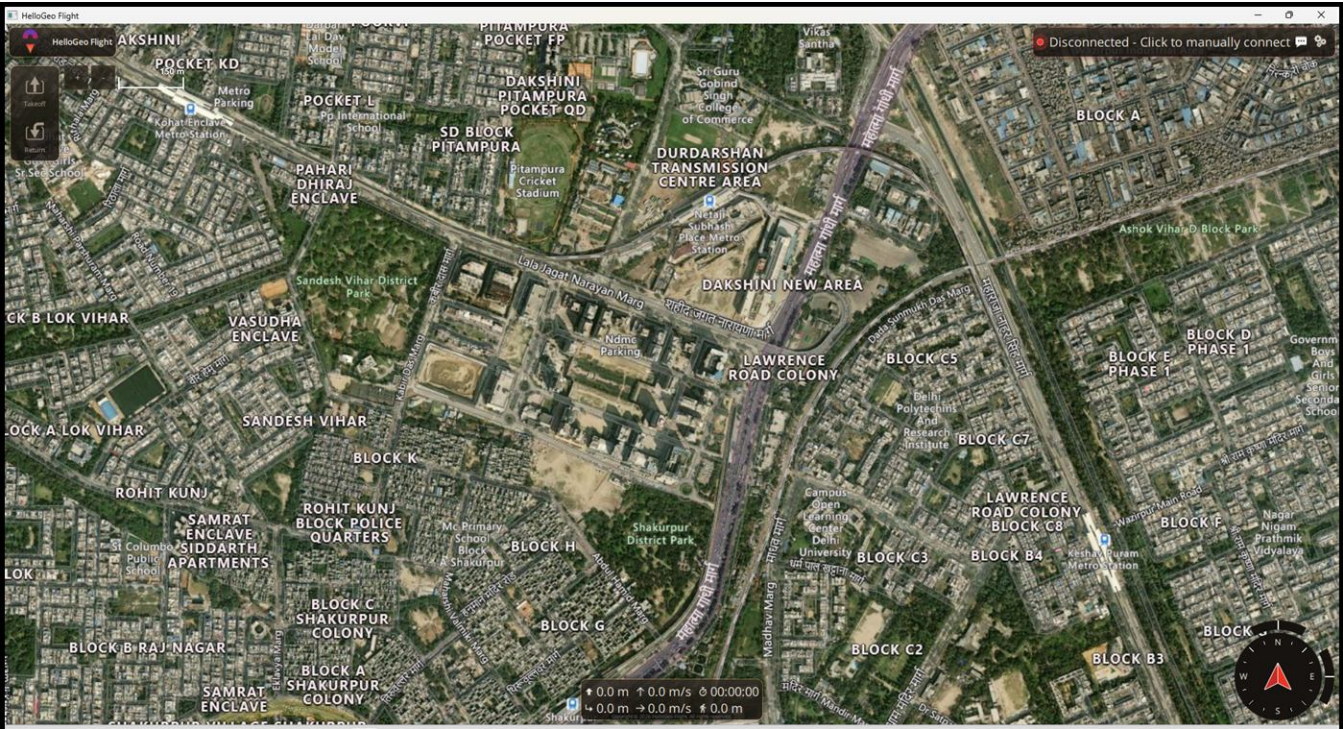
DECIDE

Go / no-go: If the live position, home point, connection, battery, sensor status or recovery plan is uncertain, do not arm. Resolve the issue first.

02 / FLY VIEW

Know the home screen

You land on Fly View each time the app opens. The map stays central; vehicle status and actions float above it.

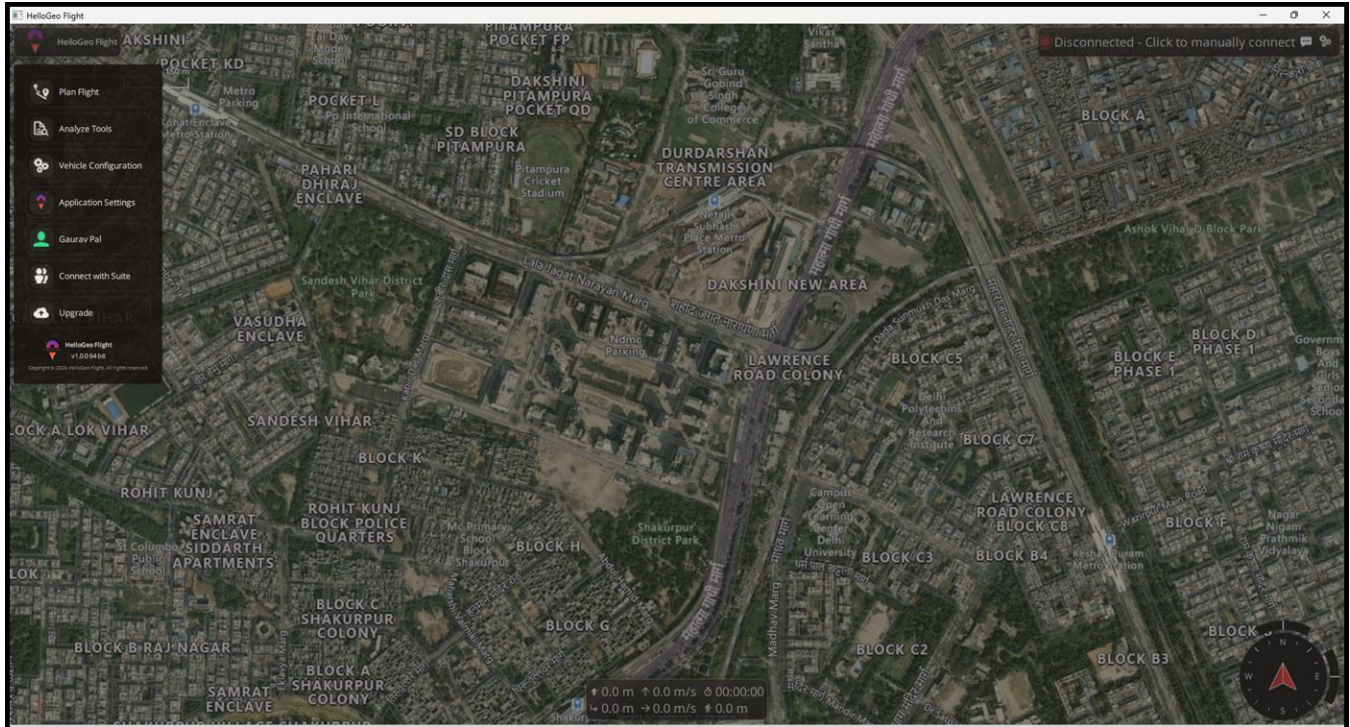


Fly View while disconnected; live vehicle data appears after connection.

AREA	USE
Logo / menu	Open Plan Flight, Analyze Tools, Vehicle Configuration, Application Settings and your account.
Connection banner	See whether a vehicle is connected; tap it to use the approved manual connection when needed.
Left controls	Access guided flight actions that become available for the current vehicle state.
Telemetry	Read altitude, speed, time and distance during a live flight.
Compass	Read current heading and map orientation.
Scale / zoom	Judge distance and keep the mission area in view.

Use the main menu

Tap the HelloGeo logo from any screen; tap outside the menu to close it.



Main menu opened from the HelloGeo logo.

Menu Item	What it opens
Plan Flight	Mission, GeoFence and rally planning.
Analyze Tools	Log Download, GeoTag Images, MAVLink Console, MAVLink Inspector and Vibration.
Vehicle Configuration	Connected-aircraft hardware and firmware settings.
Application Settings	App-wide units, maps and behavior preferences.
Your name	Account status, login or logout.
Connect with Suite	Available HelloGeo ecosystem linking.
Upgrade	Plan or entitlement management where enabled.

04 / CONNECTION

Connect an aircraft

Connect only to the intended aircraft and keep the controller/aircraft disarmed during setup.

- **Prepare the system** — Power the approved controller/link and aircraft; keep a safe physical setup.
- **Open the connection** — Use the top-right status banner or the approved automatic connection workflow.
- **Select the approved profile** — Choose the configured UDP, TCP, Serial or Bluetooth path used by your deployment.
- **Wait for the map position** — Confirm the displayed aircraft position, home point and heading are credible.
- **Read health and telemetry** — Resolve warnings and wait for stable battery, sensor and communication data.

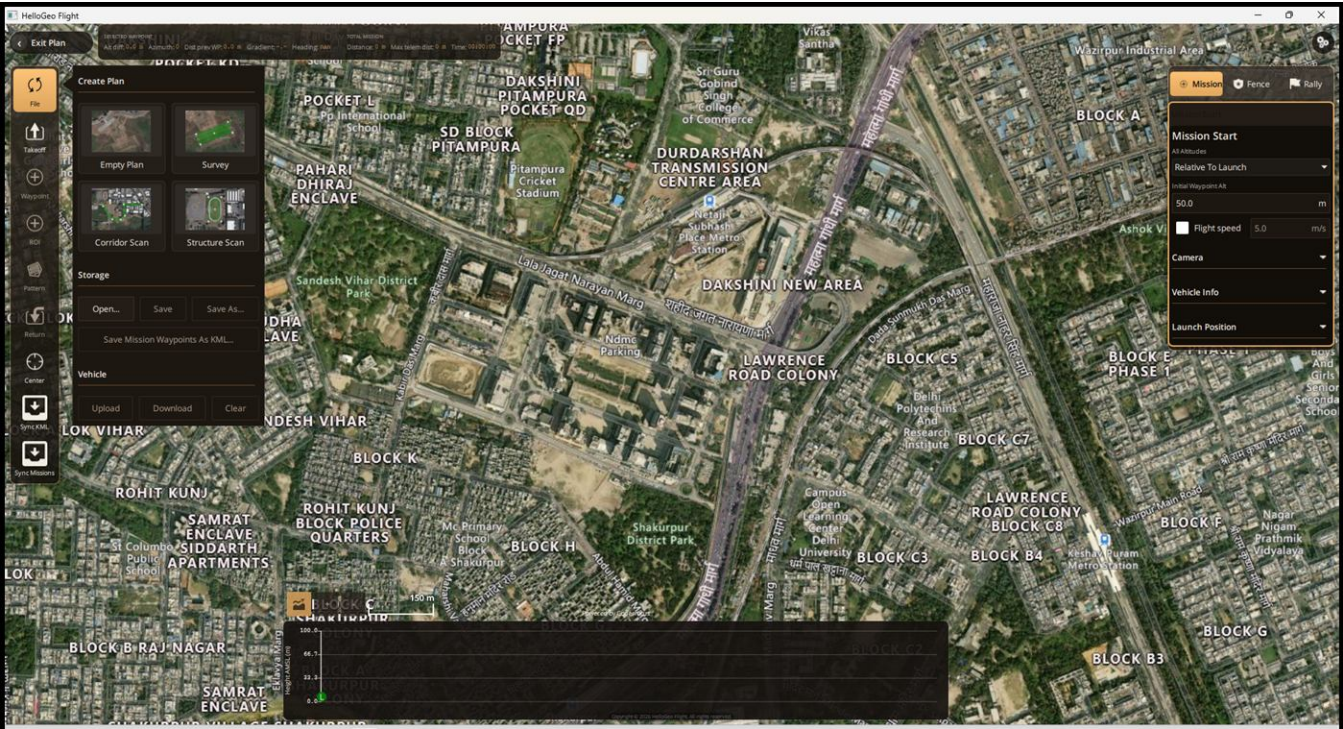
STATUS	WHAT IT MEANS
Disconnected	Safe for offline planning; no live telemetry, flight control or vehicle-log access.
Connected	Vehicle session is active. Continue only after readiness checks pass.
Unstable / stale	Treat as not ready. Confirm the link path and do not rely on delayed data.

STOP

Wrong vehicle or position: Stop. Disconnect, verify the controller/link and reconnect to the intended aircraft before uploading any plan or using a guided action.

Create a mission

Open Plan Flight and select the simplest mission type that matches the job.



Create Plan panel with mission types and editable mission settings.

START OPTION	CHOOSE IT WHEN
Empty Plan	Start with a blank map and place individual waypoints.
Survey	Draw an area; HelloGeo Flight creates a scanning grid.
Corridor Scan	Draw a route for a pipeline, road, coastline or similar linear asset.
Structure Scan	Create a multi-angle path around a building or structure.

TIP

Keep it simple: Use only the mission complexity required for the deliverable. Fewer mission items are easier to review and reduce setup mistakes.

06 / MISSION DETAILS

Edit, review and save the mission

Finish the plan offline; upload only after the intended aircraft is connected and ready.

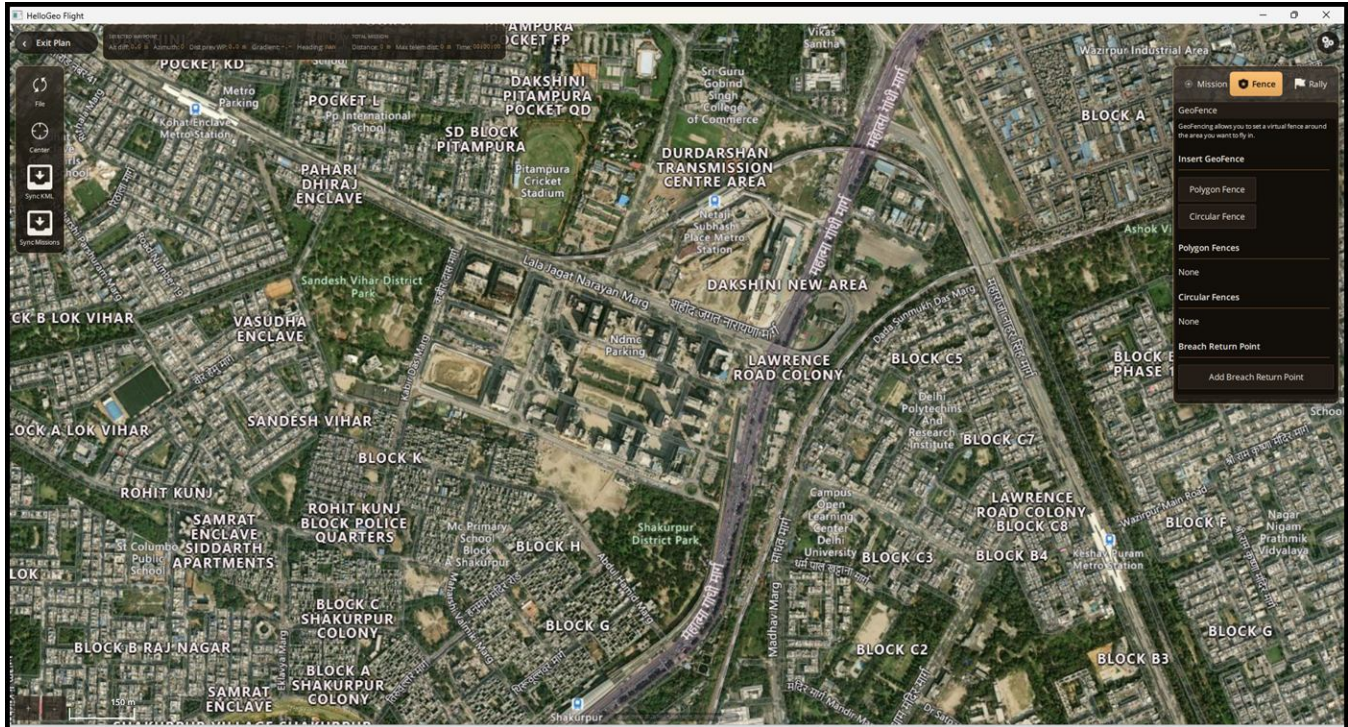
- **Add items** — Use Takeoff/Return, Waypoint, ROI or Pattern from the left tool strip.
- **Set mission start** — Review altitude reference, initial waypoint altitude and optional flight speed.
- **Inspect every segment** — Select each item and verify its position, altitude, action and sequence.
- **Check terrain** — Use the terrain-height graph and local site knowledge to confirm clearance.
- **Save** — Use Save or Save As to retain the plan on the device; export KML when the project requires it.
- **Synchronize** — Upload sends the reviewed plan to the aircraft; Download retrieves the aircraft's current plan.

CONTROL	USE IT FOR
Center	Return the map to the mission area.
Sync KML	Bring compatible KML context into the planning workflow.
Save Mission Waypoints As KML	Create a shareable mission-route reference.
Clear	Remove the plan currently being edited; use carefully.

07 / BOUNDARIES

Set a GeoFence

A GeoFence adds a visible virtual boundary to the mission plan.



Fence tab ready for polygon or circular boundary creation.

- **Open Fence** — In Plan View, select the Fence tab in the right-hand panel.
- **Choose the shape** — Use Polygon Fence for a custom boundary or Circular Fence for a center/radius limit.
- **Adjust on the map** — Drag points and confirm the complete boundary at the correct scale.
- **Set breach return** — Add a breach return point when supported and confirm that the location is safe.

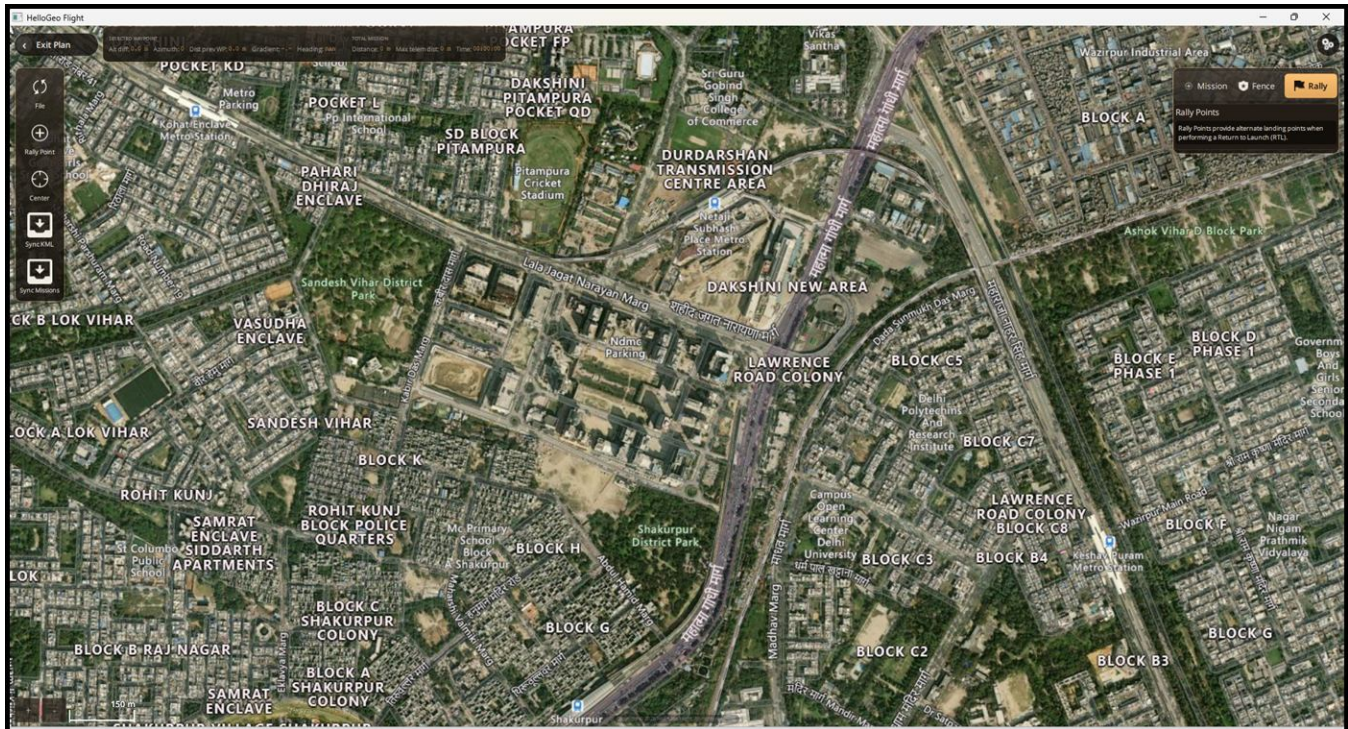
VERIFY

Multiple fences: A plan can contain several polygon and circular fences. Review every listed fence before upload so no old boundary remains unintentionally active.

08 / RECOVERY

Add rally points

Rally points provide alternate references for return or recovery when supported by the aircraft workflow.



Rally tab with the mission area visible.

- **Open Rally** — Switch from Mission or Fence to the Rally tab.
- **Place the point** — Tap the map at the intended alternate recovery location.
- **Inspect the site** — Confirm the point is clear, accessible and appropriate for the aircraft.
- **Add more if required** — Use only verified alternatives and recheck them after any map or mission change.

FIELD

Map versus site: A rally point on the screen does not confirm that the physical landing area is safe. Verify obstacles, people, surface, access and approach path at the actual site.

09 / LIVE FLIGHT

Fly and monitor

Use a repeated scan: aircraft position, mission progress, energy, link, payload and recovery option.

MOMENT	WHAT TO DO
Before arm	Confirm correct aircraft, home, mission, GeoFence, rally/RTL behavior, power and clear operating area.
Takeoff	Use the approved guided/manual procedure; verify a stable climb and credible telemetry.
During mission	Monitor map position, altitude, speed, time, distance, link and battery; keep visual/operational awareness.
Return	Confirm the return route and landing area remain clear; intervene only under the approved procedure.
After land	Disarm, secure the aircraft, check for damage/heat, record anomalies and retrieve logs/media.

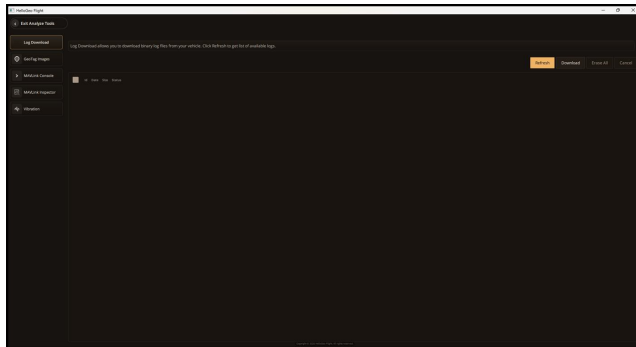
INTERFACE CUE	OPERATOR RESPONSE
Takeoff / Return	Availability depends on the connected aircraft state and configured vehicle behavior.
Telemetry	Live values appear only after a valid vehicle session is established.
Alerts	Read the full message and resolve the cause; do not dismiss a critical warning without understanding it.

ACTION	Uncertain state: If vehicle state or control is unclear, stop non-essential commands and follow the aircraft-approved pause, Return-to-Launch or landing procedure.
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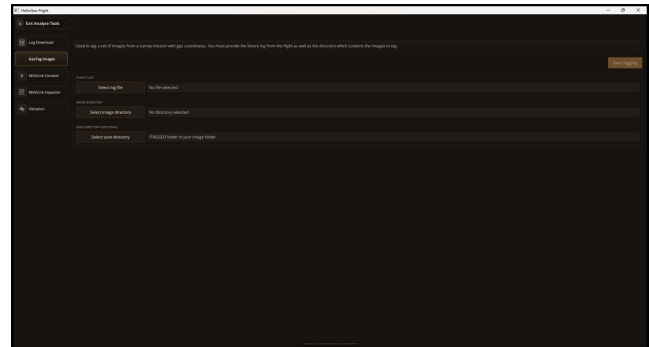
10 / POST-FLIGHT

Download logs and geotag survey images

Keep raw flight evidence and create tagged image copies without overwriting the source set.



Log Download



GeoTag Images

- **Refresh logs** — Connect the aircraft, open Log Download and refresh the list.
- **Select and download** — Choose the required flights and save them using the project naming standard.
- **Open GeoTag Images** — Select the matching flight log and the folder containing the survey photos.
- **Choose output** — Select a save directory or allow the app to create a TAGGED folder next to the images.
- **Start and verify** — Run tagging, review completion and spot-check coordinates before processing.

DATA

Preserve originals: Keep the unmodified image set and source flight log. Treat geotagged copies as derived project data.

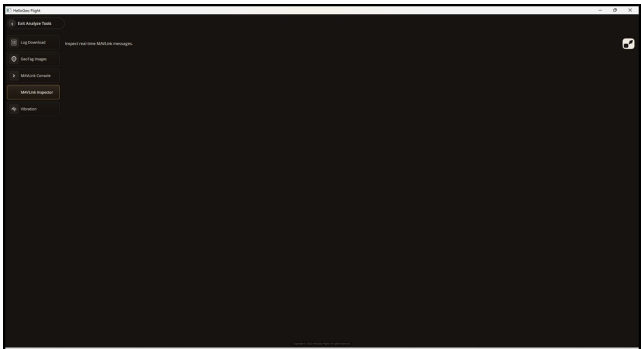
11 / DIAGNOSTICS

Use advanced Analyze tools

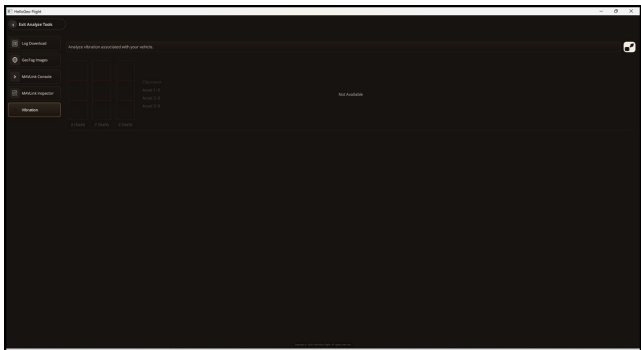
These tools are for diagnosis and technical verification; use the console only with an approved command.



MAVLink Console



MAVLink Inspector

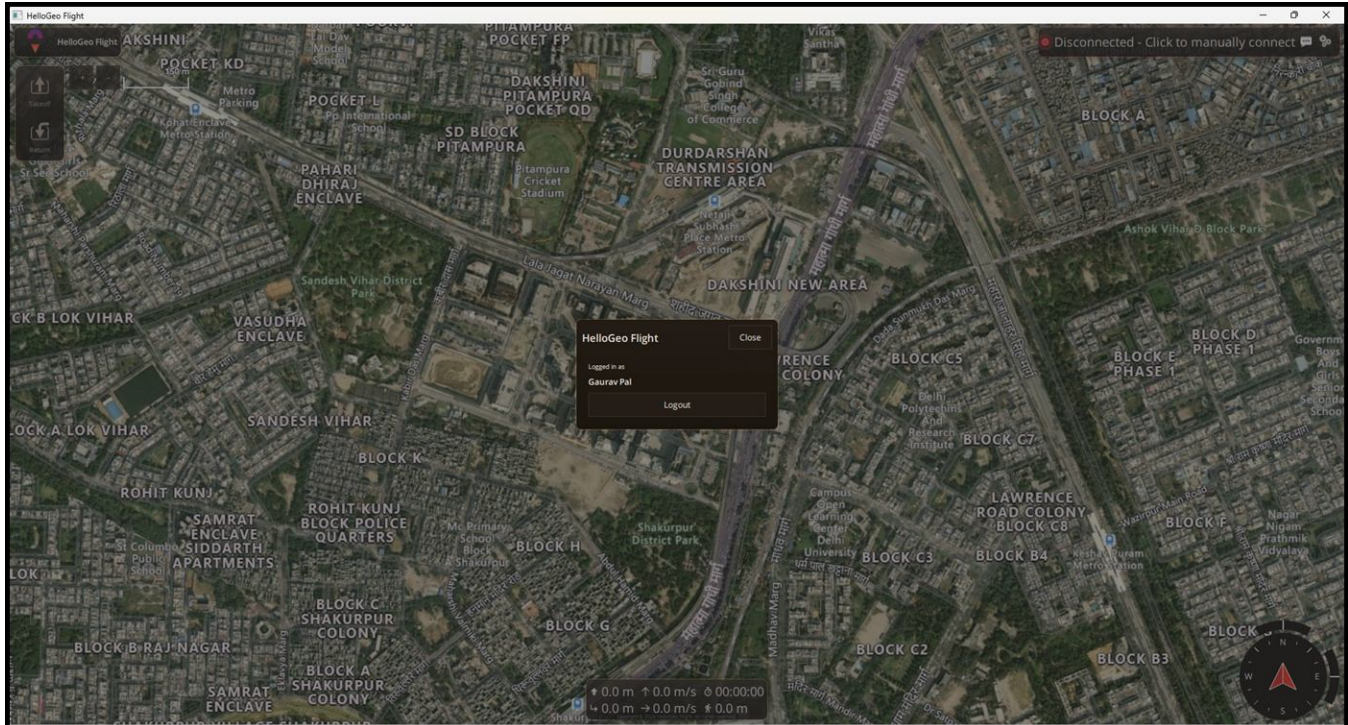


Vibration monitor

TOOL	SAFE USE
Console	Direct text connection to the vehicle system shell. Use commands supplied by support or approved firmware documentation only.
Inspector	View live messages, individual fields and update rates; chart selected values.
Vibration	Review X/Y/Z values and clip counts; investigate readings that cross the displayed caution/warning thresholds.

Account, Suite and support

Confirm the active user before linking products or moving data between project contexts.



Account panel opened from the user name in the main menu.

- **Log in or create an account** when the deployment requires authentication.
- **Verify the displayed user** before accessing an organization or project workflow.
- **Connect with Suite** only when the correct HelloGeo environment and project have been approved.
- **Log out** before transferring a shared device to another user or organization.

Keep the official app and support route close

Android package: com.hellogeo.gcs

[Open the official Google Play listing](#)

Need help? support@hellogeo.world



SCAN TO DOWNLOAD

Common questions

Fast answers for the questions operators ask most often.

QUESTION	ANSWER
Is Disconnected a problem?	Not for planning. It means no live aircraft session exists. Connect before upload, telemetry, flight actions or vehicle-log access.
Can I plan offline?	Yes. Create/edit missions, GeoFences and rally points offline, then review again after connection.
Where is my saved mission?	Use Open under storage in Plan View and select the saved plan on the device.
Why is telemetry blank?	Confirm the connection, intended vehicle, link stability and sensor/message availability.
Why will a plan not upload?	Check connection, aircraft state, mission-item validity and the exact error message.
Should I erase logs?	Only after the project retention requirement is met and the required logs are safely copied.

SUPPORT PACKAGE	INCLUDE
Identity	Name, organization, project and contact details
System	App version, device/OS, controller and aircraft/autopilot
Incident	Date/time, exact steps, expected result and actual result
Evidence	Full screenshots, plan file and relevant logs without passwords or keys

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SCAN TO DOWNLOAD