KUBICEK
FLYMATE

USER MANUAL

Flight planning, navigation, tracking and logging for balloon pilots and chase crews

PUBLIC MANUAL 1.1

30 July 2026

About this manual

This public manual is written for balloon pilots and chase crews using Kubicek FlyMate. It explains the current confirmed workflows without exposing internal helpdesk or development material.

EDITION	Public manual 1.1
UPDATED	30 July 2026
BASELINE	Android screenshots: July 2026; iOS/iPadOS reference: 1.0.10
LANGUAGE	English

PRODUCT	Kubicek FlyMate product page
SUPPORT	FlyMate support and How To
EMAIL	helpdesk@kubicekfactory.com

SAFETY BOUNDARY

FlyMate is a supplemental decision-support tool. It does not replace pilot judgment, the applicable flight manual, current official aeronautical or meteorological information, or legal requirements.

Contents

Click a chapter or article to open it. PDF bookmarks provide the same navigation in compatible readers.

01 Start here

What FlyMate is, how to use this manual, and the safety boundary that applies throughout.

IN THIS CHAPTER

01.01 About Kubicek FlyMate

An all-in-one app for balloon pilots and their crew.

Kubicek FlyMate combines ballooning maps, live flight information, planning tools, flight recording, crew tracking and optional Premium calculations in one app.

The app supports hot-air and gas-balloon workflows. Available tools depend on the selected app mode, subscription plan, device capability, connection, location and installed version.

- Available for iPhone, iPad and Android.
- Designed for balloon pilots and chase crews.
- Built by pilots and tested in real flights.
- Free and Premium plans are available.

FlyMate running on a tablet in a balloon basket

01.02 How to use this manual

Search by task, browse by chapter, or follow the related links at the end of an article.

Menu names in this manual follow the current English version of FlyMate. A control may appear in a slightly different position on iOS, iPadOS or Android, and its appearance can change with screen size, app mode and version.

If a stated path is not visible, first check your platform, installed FlyMate version, app mode and Premium status. Do not guess at a flight-critical setting.

- Use the search field for a feature, control or problem.
- Premium-only articles are clearly marked.
- Safety notes are highlighted in yellow.
- The PDF and web versions share the same main content.

01.03 Flight safety and data accuracy

The pilot in command remains responsible for every operational decision.

FlyMate displays information and calculated estimates from device sensors, user inputs and external data providers. Forecast error, sensor variability, incomplete coverage, connection loss, outdated source data or incorrect configuration can affect the result.

Landing estimates, fuel endurance, ballast guidance, wind projections, maps and shared positions are aids. Always compare them with the actual balloon response, current official information, applicable procedures and the approved flight manual.

> SAFETY
>
> Never base a flight action solely on a FlyMate calculation or a single map layer. Verify information and use qualified pilot judgment.

01.04 Manual and app version

This edition combines confirmed public product information with a complete Android interface capture from July 2026.

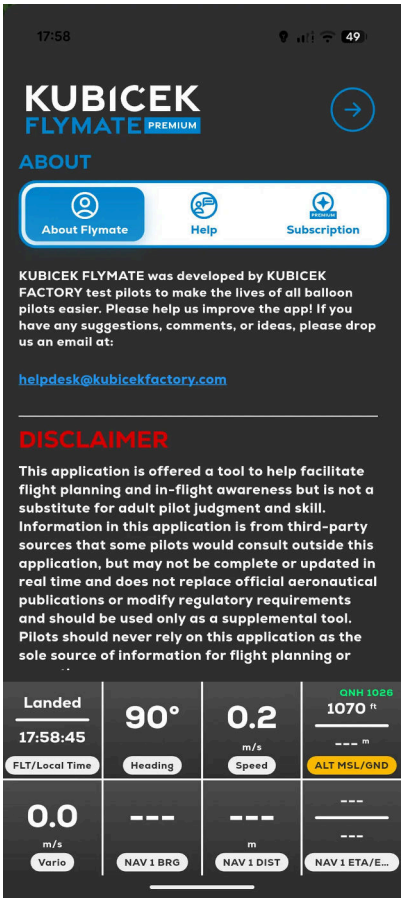
The workflows and screenshots in this edition were reviewed against a late-July Android capture. The Apple App Store history showed FlyMate 1.0.10 when the documentation baseline was checked.

Store numbering and interface details can differ between Android and Apple releases. The About app screen on the user's own device is authoritative for a support case.

For support or when a screen differs from this manual, open Menu and look in About app. Include the version shown on your device when contacting support.

1. Open FlyMate.
2. Open Menu.
3. Select About app.
4. Note the platform, device model and FlyMate version.

> NOTE
>
> Always install the newest FlyMate version offered by your own App Store or Google Play account.



FlyMate About screen with Help and Subscription tabs

02 Getting started

Install FlyMate, choose the correct device and mode, and prepare permissions before flight.

IN THIS CHAPTER

- Install or update FlyMate
- Supported devices
- Sign in and synchronize
- Choose Pilot, Driver or Gas Pilot mode
- Allow precise and background location
- Set language, units and time
- Free and Premium features (Premium)

02.01 Install or update FlyMate

Use the official Apple App Store or Google Play listing.

Install FlyMate from the store used on your device. Updates can include new features, data presentation changes, performance improvements and important fixes.

An older app version may not show a control described in this manual. Store propagation can also differ between Apple and Android.

1. Open the App Store on Apple devices or Google Play on Android.
2. Search for Kubicek FlyMate.
3. Check the developer and product name.
4. Tap Install or Update.
5. Open FlyMate and check About app.

02.02 Supported devices

FlyMate is available for iPhone, iPad and Android; navigation requires suitable sensors.

The Apple version requires iOS or iPadOS 15.6 or later. Android compatibility is determined by the current Google Play listing for the device.

For iPad navigation and flight recording, use a Wi-Fi + Cellular model with built-in GPS. A Wi-Fi-only iPad has no built-in GPS. An iPhone hotspot supplies internet access but does not add GPS hardware.

1. On iPad, open Settings.
2. Go to General and then About.
3. Check whether the model is Wi-Fi + Cellular.
4. Confirm location works before relying on the device in flight.

> SAFETY
>
> A Wi-Fi-only iPad is not suitable for FlyMate navigation or flight recording.

02.03 Sign in and synchronize

Use the same FlyMate account and sign-in method on your devices.

A FlyMate account supports profile information, balloons, settings, waypoints, flight records, friend relationships and account-linked synchronization where the service is used.

Account data and flight logs can synchronize across Apple and Android. Store subscriptions are separate and do not transfer between Apple and Google.

1. Open Kubicek Account from Menu.
2. Sign in using your usual method.
3. Confirm that the same account identity appears on every device.
4. Allow synchronization to finish before removing or resetting an old device.

> NOTE
>
> Some data may remain local. Confirm important records are synchronized or exported before reinstalling FlyMate.

02.04 Choose Pilot, Driver or Gas Pilot mode

The selected mode controls the workflow and available tools.

Pilot mode is used for hot-air balloon flight functions. Driver mode is intended for chase crews. Gas Pilot mode adds gas-balloon setup and ballast workflows.

The mode cannot be changed while flight logging or Driver sharing is active. Stop the active operation first.

1. Open Menu.
2. Open Kubicek Account.
3. Select App Mode.
4. Choose PILOT, DRIVER or GAS PILOT.

02.05 Allow precise and background location

Continuous flight recording and live sharing require suitable location permission.

FlyMate may use precise location and background location during active flight tracking. If required permission is disabled, navigation, flight recording or live sharing can stop or become unreliable.

Permission labels vary by operating system and device manufacturer.

1. Open the device settings for Kubicek FlyMate.
2. Open Location permissions.
3. Allow precise location.
4. Allow location in the background or Allow all the time where offered.
5. Return to FlyMate and confirm the warning has cleared.

> NOTE
>
> On Android, While using the app or Only this time is not sufficient for continuous background tracking.

02.06 Set language, units and time

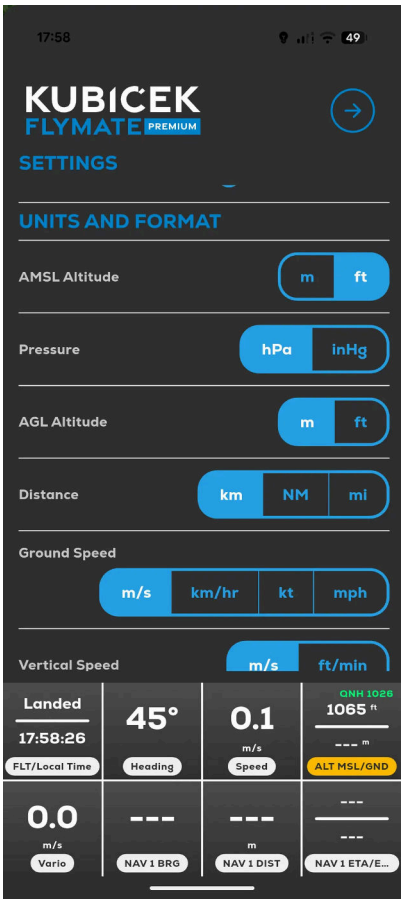
Configure the display before flight so every value is interpreted correctly.

Current release history lists English, Czech, German, Spanish, French and Dutch. Available language options can depend on the installed version and device settings.

Settings include units for altitude, distance, ground speed, wind speed, vertical speed, mass, fuel and temperature. UTC is available as an alternative to local time in supported releases.

1. Open Menu and then Settings.
2. Set the required units.
3. Choose UTC or local time where offered.
4. Confirm values on the main flight screen before takeoff.

> SAFETY
>
> Incorrect units can produce a serious misunderstanding of altitude, speed, mass, fuel or descent values.



FlyMate settings for altitude, pressure, distance and speed units

02.07 Free and Premium features

PREMIUM

Core flight tools are free; advanced calculations, overlays and live sharing require Premium.

Free includes the detailed ballooning map, Chase Crew Mode, My Balloons, waypoints, Pilot Logbook, pressure-sensor altimeter, live flight data, altitude Wind Log and pilot checklists.

Premium adds Load Calculator, Fuel Management, Ballast Management, airspace and powerlines, Landing Prediction, custom KML overlays, Offline Maps, Live Crew Tracking, Wind Trajectories and Rainfall Radar.

> NOTE
>
> For live tracking, the pilot sharing the position needs Premium. The Driver or observer does not.

Feature	Free	Premium
Ballooning map, waypoints and logbook	Yes	Yes
Pressure altimeter, live data and Wind Log	Yes	Yes
Fuel, ballast and loading calculations	No	Yes
Airspace, powerlines and KML overlays	No	Yes
Offline maps and landing prediction	No	Yes
Live crew tracking, wind trajectories and radar	No	Yes

03 Main flight screen

Understand the map, instruments and controls used during the flight.

IN THIS CHAPTER

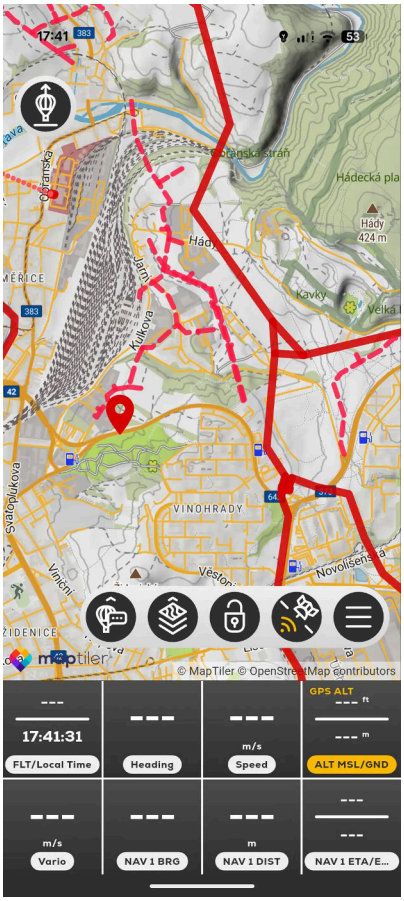
03.01 Flight screen at a glance

The map, quick controls and live instrument strip are designed to remain visible together.

The main flight screen combines the map with quick controls and live values such as time, heading, speed, altitude and vertical speed. Additional fields can show navigation bearing, distance and estimated time.

Exact placement depends on device shape, orientation, platform, selected app mode and app version.

- Map tools appear over the map.
- The instrument strip stays visible at the lower edge.
- Premium overlays appear only when entitlement and data are available.
- A named remote-data panel belongs to the named tracked user.



Current FlyMate flight screen with map controls and live instrument strip

03.02 Map rotation and north-up

North-up is the default; manual rotation must be enabled in Settings.

Current public documentation confirms manual gesture rotation. It does not confirm a separate automatic track-up mode.

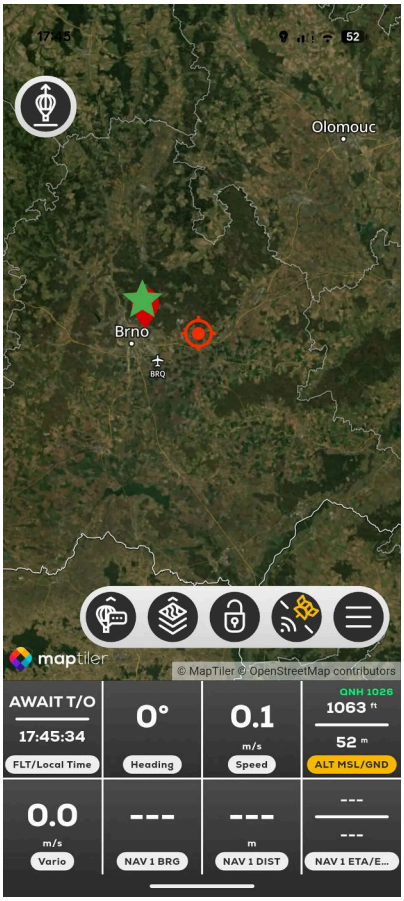
1. Open Menu and then Settings.
2. Enable Map rotation.
3. Return to the map.
4. Rotate the map with a gesture.
5. Use the orientation or compass control to return to north-up where offered.

03.03 Satellite View

Switch between the chart-style map and satellite imagery.

Satellite imagery normally requires data unless content is already cached. Downloaded Offline Areas are primarily intended for FlyMate map content and should not be assumed to include every satellite tile.

1. Tap the Satellite View control on the main map.
2. Wait for imagery to load at the selected zoom level.
3. Tap the control again to return to the chart-style map.



Satellite-style map view in FlyMate

03.04 Lock Cursor

Keep the balloon position on screen with more terrain visible ahead.

The locked view uses a forward offset so the direction of flight has more visible map space.

1. Tap Lock Cursor on the main map.
2. Confirm the map follows the balloon position.
3. Tap the control again when you want to pan freely.

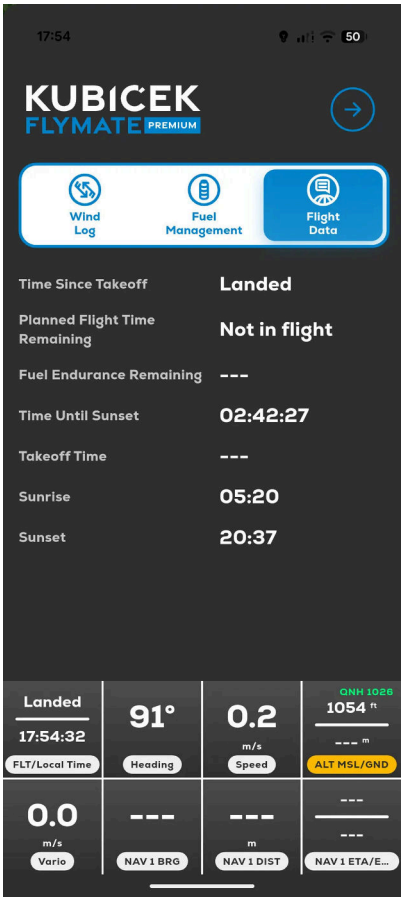
03.05 Live Flight Data

Open detailed metrics for the active flight or selected tracked user.

Flight Data can show altitude, vertical speed, entered winds, fuel status, endurance and other current-flight values. The available fields depend on app mode, configuration, sensors and subscription.

If the heading contains a name or identifier, for example XRD flight data, the values belong to that tracked user rather than necessarily to the local device.

> SAFETY
>
> Check the data-owner label before comparing values or making a decision.



FlyMate Flight Data screen with Wind Log, Fuel Management and Flight Data tabs

03.06 Wind Log

Review winds aloft recorded during the current flight.

Wind Log stores wind information measured or entered at flown levels. Landing and trajectory tools can use available wind information.

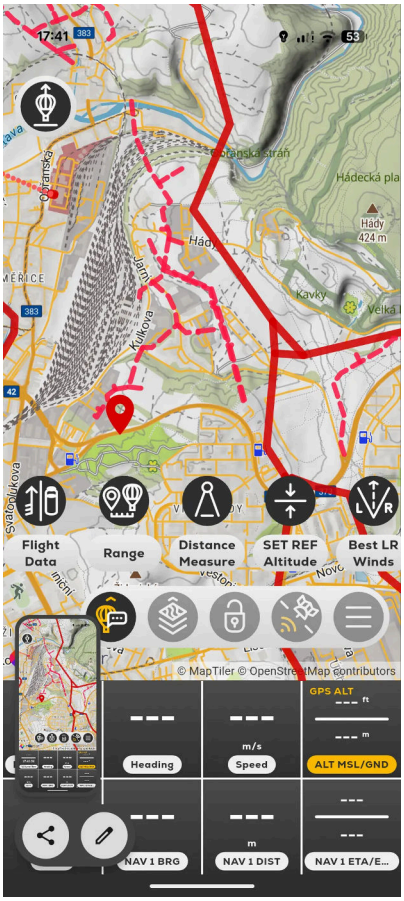
There is no separate reset function in the confirmed workflow. Flying again at a given level updates that level with newer wind data.

03.07 Set a reference altitude

Display altitude relative to a selected level.

The relative value shows the difference above or below the selected reference level. Reference altitude is not the same as QNH or pressure-derived altitude.

1. Tap SET REF Altitude.
2. Select or enter the reference level offered by the current screen.
3. Use the Vertical Speed Indicator to toggle the relative reference display.



FlyMate map tools including Set Reference Altitude and Best Left or Right Winds

04 Maps and overlays

Control map layers, airspace, powerlines, KML files and offline areas.

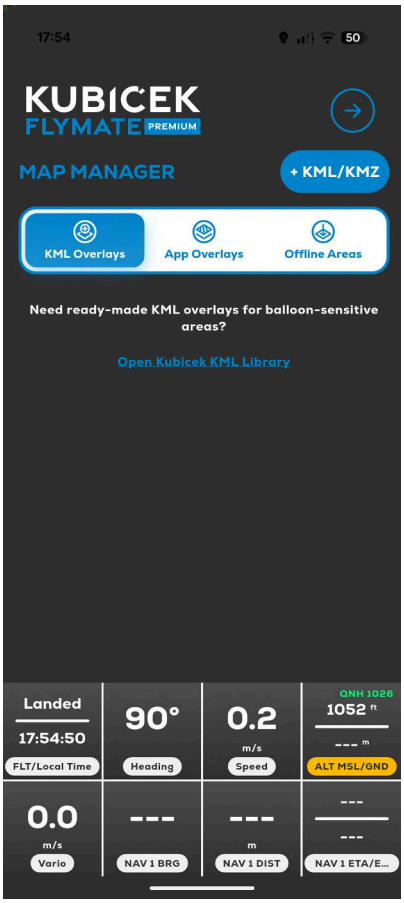
IN THIS CHAPTER

04.01 Map Manager

Control built-in overlays, imported KML files and downloaded areas.

The FlyMate map environment is powered by MapTiler. A clean selection of relevant layers is easier to read in the basket than every available overlay at once.

1. Open Menu.
2. Select Map Manager.
3. Choose App Overlays, KML Overlays or Offline Areas.
4. Enable only the layers needed for the flight.



FlyMate Map Manager with KML Overlays, App Overlays and Offline Areas tabs

04.02 Airspace

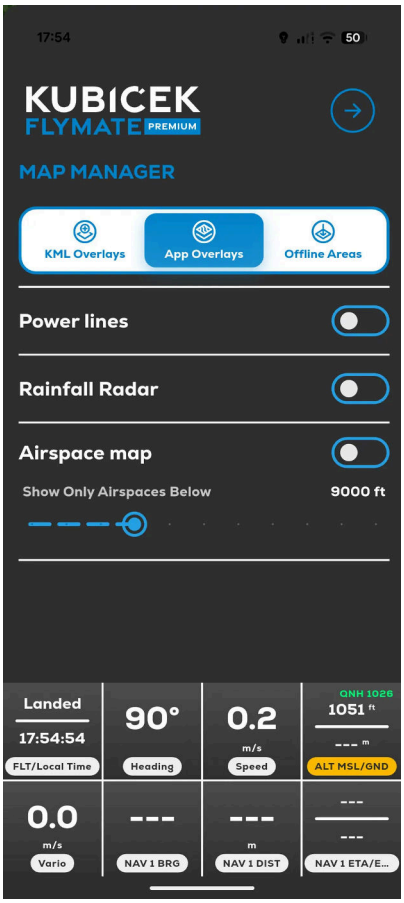
PREMIUM

Display supported airspace boundaries and available details on the map.

Airspace is a Premium overlay. Coverage and displayed details depend on source data, region, zoom level, connection and app version.

If an expected airspace is missing, record the exact area, date and time, layer, zoom level, platform, FlyMate version and a screenshot.

> SAFETY
>
> FlyMate is not the sole source of operational airspace information. Verify current official aeronautical information.



FlyMate App Overlays controls for powerlines, rainfall radar and airspace

04.03 Powerlines and obstacles

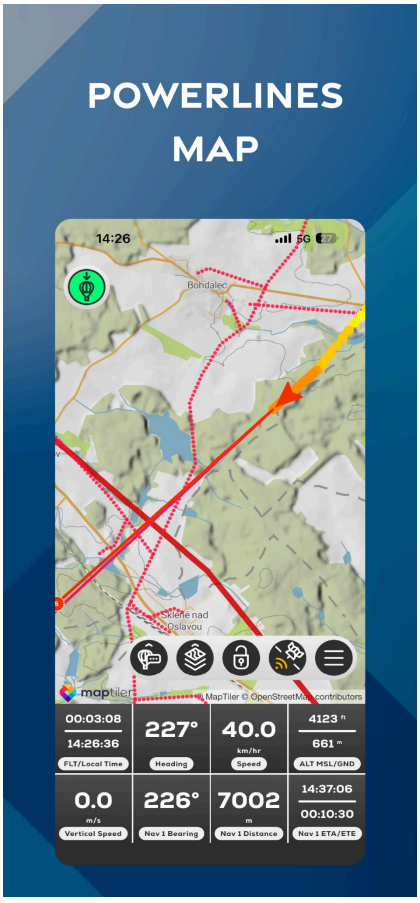
PREMIUM

Show supported powerline and obstacle data with the flight map.

Powerlines are included in Premium. Obstacle and powerline coverage can vary by country, data source, update timing and zoom level.

A missing line or obstacle must not be interpreted as proof that the area is clear.

> SAFETY
>
> Maintain visual lookout and verify terrain and obstacle information through appropriate current sources.



FlyMate powerlines overlay

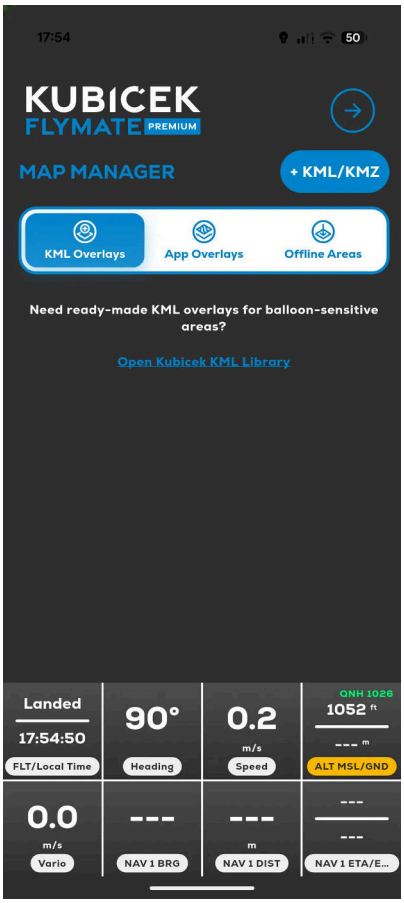
04.04 Import a custom KML overlay

PREMIUM

Add local sensitive areas, restricted areas or other map information.

Custom KML overlays are a Premium feature. Importing a KML map overlay is different from importing a KML flight track into My Logbook.

1. Save the .kml file where the device can access it.
2. Open Menu, Map Manager and KML Overlays.
3. Use Add or Import and select the file.
4. Enable the overlay.
5. Return to the map and check its position and content.



FlyMate KML Overlays screen with access to the community KML library

04.05 Community Sensitive Areas Library

Use community-contributed KML files as advisory local information.

Kubicek Balloons hosts a growing KML library of restricted areas and recommended landing zones contributed by balloon pilots.

Quality and currency depend on each author. Local conditions, landowner requests and legal restrictions can change.

1. Download the relevant KML from the FlyMate Sensitive Areas page.
2. Check its location, author and date.
3. Import it through KML Overlays.
4. Verify the information independently before flight.

> **SAFETY**
>
> Community KML content is not guaranteed complete, current or error-free.

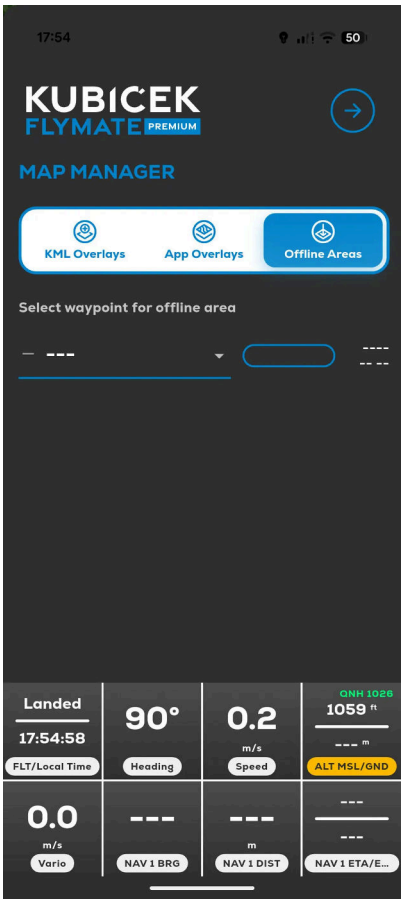
04.06 Download an Offline Area

PREMIUM

Prepare map coverage before flying where mobile data may be weak.

Downloaded maps and core flight tools remain available without internet. Live sharing, new radar or weather retrieval and other network-fed information require connectivity.

1. While online, create or select a waypoint in the intended flight area.
2. Open Menu, Map Manager and Offline Areas.
3. Select the area around the waypoint.
4. Start the download and wait until it finishes.
5. Confirm the area is listed as downloaded before takeoff.



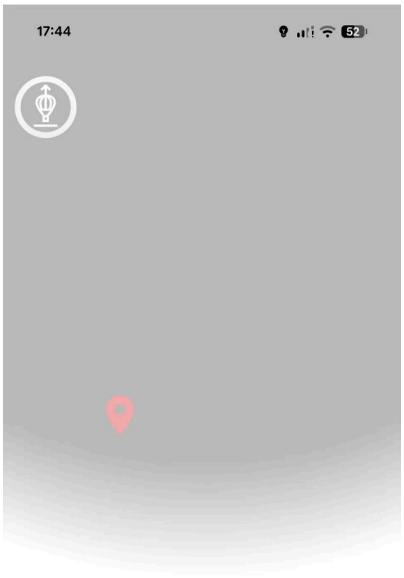
FlyMate Offline Areas screen for selecting an area around a waypoint

04.07 When the map loads slowly or incompletely

Check the connection, zoom, map style and saved offline coverage.

Map tiles load dynamically according to connection speed and zoom. If the problem continues, note the exact location, time, map style, platform, version and attach a screenshot for support.

1. Check whether other online content loads.
2. Wait for the selected zoom level to finish loading.
3. Try the chart-style map if satellite imagery is slow.
4. Confirm FlyMate is current.
5. Use a previously downloaded Offline Area where available.



FlyMate map while online tiles are still loading

05 Planning and navigation

Create waypoints, measure, estimate landing areas and review weather information.

IN THIS CHAPTER

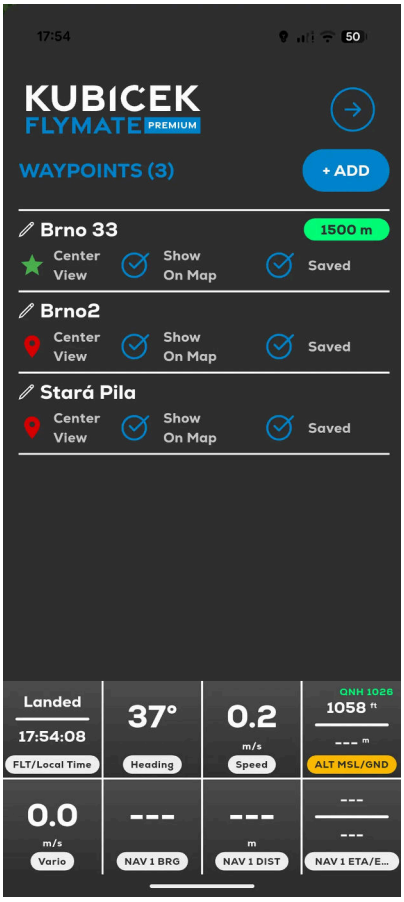
- Create and manage waypoints
- Send a waypoint to your Driver
- Measure range and distance
- Configure landing prediction (Premium)
- Landing Range and Descent Point (Premium)
- Wind Trajectories and Best Left/Right (Premium)
- Weather, METAR/TAF and Rainfall Radar (Premium)

05.01 Create and manage waypoints

Store useful locations for planning and in-flight navigation.

Current releases support waypoint management and UTM grid entry. Check the position visually and against the intended coordinate source.

1. Open Menu and Waypoints.
2. Add a waypoint.
3. Set its location and available details.
4. Save the waypoint.
5. Select it when navigation or an Offline Area requires a reference point.



FlyMate waypoint list with saved locations and map visibility controls

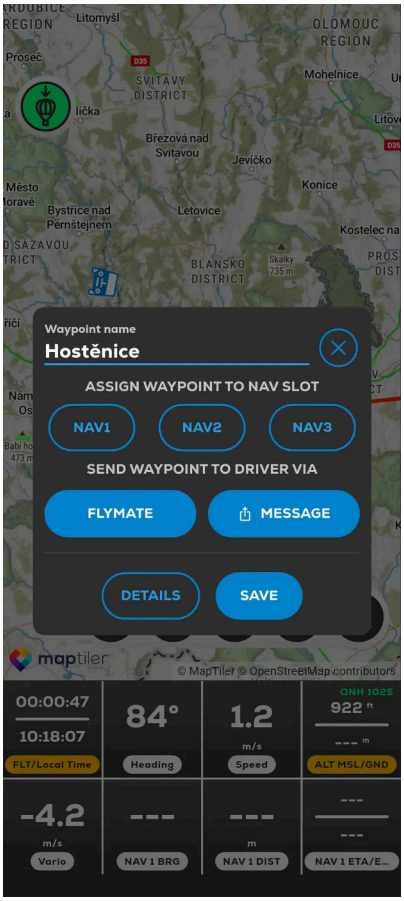
05.02 Send a waypoint to your Driver

Send a target directly through FlyMate or share it through a message.

The in-app FlyMate option sends the target to the connected Driver during the active sharing workflow. The Driver can switch between following the balloon and viewing the pilot's target.

A shared waypoint is a location reference, not proof of road access, landing permission or route suitability.

1. Connect the pilot and Driver in Friend's Location before the flight.
2. Create a waypoint on the map or open a saved waypoint.
3. In the waypoint panel, find SEND WAYPOINT TO DRIVER VIA.
4. Tap FLYMATE to send it to the connected Driver, or MESSAGE to use the device sharing menu.
5. Wait for the Waypoint sent to driver confirmation.
6. On the Driver device, confirm the Driver target received from the pilot message and select Pilot's Target when needed.



FlyMate waypoint panel with Send waypoint to Driver via FlyMate or Message

05.03 Measure range and distance

Use Range from the current position or Distance Measure between two map points.

Check the configured distance units before interpreting the result.

1. For Range, open the tool and select the destination point.
2. Read bearing and distance from the present position.
3. For Distance Measure, select the first map point and then the second.
4. Read bearing and distance between the selected points.

05.04 Configure landing prediction

PREMIUM

Landing estimates depend on planned duration, descent rates and winds aloft.

Incorrect descent settings, missing wind levels or an unsuitable selected balloon can make the projected result misleading.

1. Confirm the selected balloon.
2. Set the planned flight duration in Settings.
3. Set the LOW and HIGH descent speeds.
4. Record or enter relevant winds aloft.
5. Open Landing Range or Descent Point.

05.05 Landing Range and Descent Point

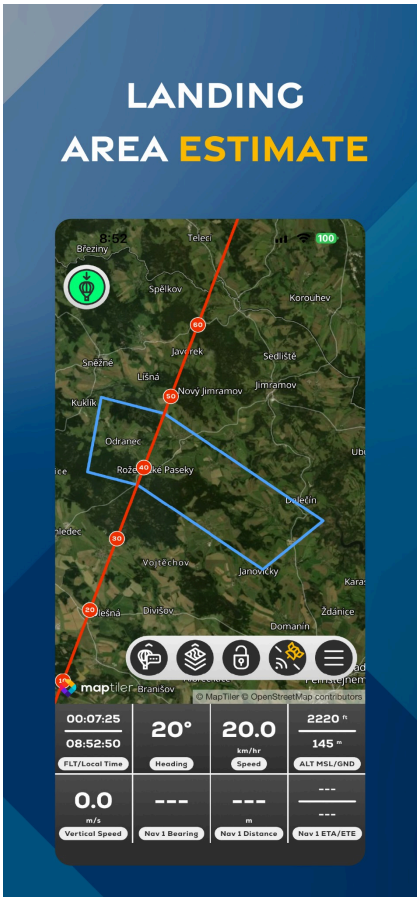
PREMIUM

View a projected area or projected landing points at configured descent rates.

Landing Range displays a projected landing area based on winds aloft logged during the flight. Descent Point calculates projected landing points using the configured LOW and HIGH descent rates.

The result is not a guaranteed reachable or suitable landing location.

> SAFETY
>
> Assess actual wind, terrain, obstacles, permissions and landing suitability independently.



FlyMate landing area estimate

05.06 Wind Trajectories and Best Left/Right

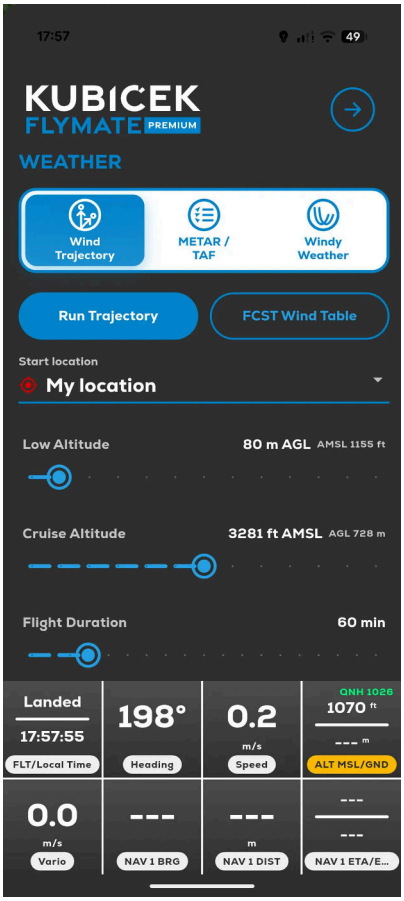
PREMIUM

Compare projected movement from forecast wind models.

Wind Trajectory is a Premium calculation based on forecast wind models. Supported releases also include Best Left/Right wind visualization to help compare directional options at available levels.

Forecast trajectories are estimates and do not command a climb, descent or route.

> SAFETY
>
> Use current observations, actual balloon response and qualified judgment. Forecast error increases uncertainty.



FlyMate Wind Trajectory settings for location, altitude, duration and launch time

05.07 Weather, METAR/TAF and Rainfall Radar

PREMIUM

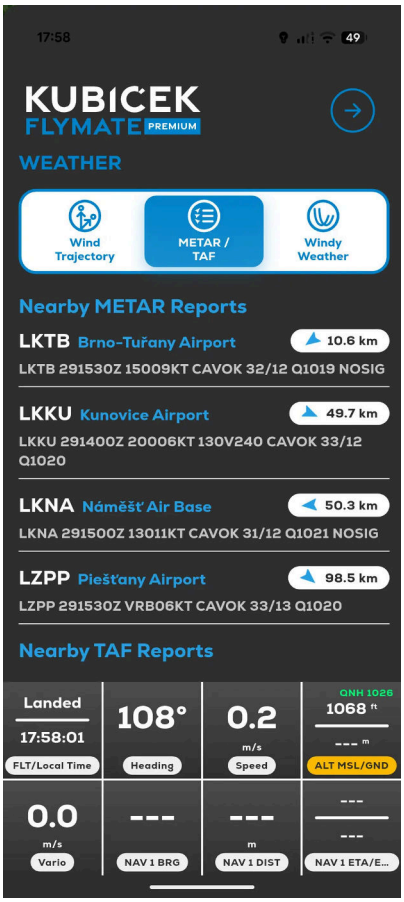
Use nearby aviation reports, wind tools, Windy and the Premium radar layer.

The Weather area provides wind trajectories, nearby METAR and TAF reports and access to Windy. Premium includes Rainfall Radar with timeline controls in current releases.

A missing station, report or radar image can reflect distance, provider coverage, connection, licensing or update timing.

1. Open Menu and Weather.
2. Choose the required tool.
3. For radar, confirm the selected timeline time.
4. Compare critical information with the applicable official source.

> SAFETY
>
> Do not use FlyMate as the sole source of weather or aviation information.



FlyMate Weather screen with nearby METAR and TAF reports

06 Balloons, loading and fuel

Configure the actual balloon and tanks before using calculated flight tools.

IN THIS CHAPTER

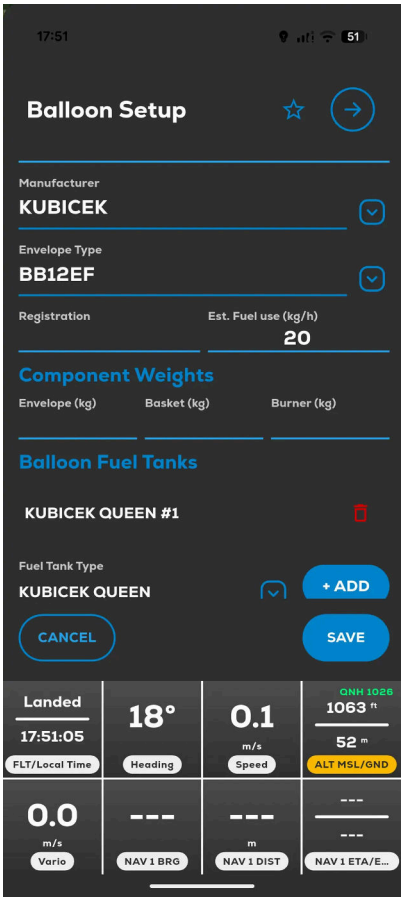
- Add a Kubicek balloon
- Add a non-Kubicek balloon
- Configure fuel tanks
- Fuel Management (Premium)
- Loading Calculator and checklists (Premium)

06.01 Add a Kubicek balloon

Create a balloon record and select the correct envelope and fuel setup.

Exact fields vary by balloon, app mode and version. Use the data that applies to the actual aircraft.

1. Open Menu and My Balloons.
2. Tap Add or +.
3. Select Kubicek and the correct envelope or type.
4. Enter the requested balloon and fuel-tank details.
5. Save and review the record.



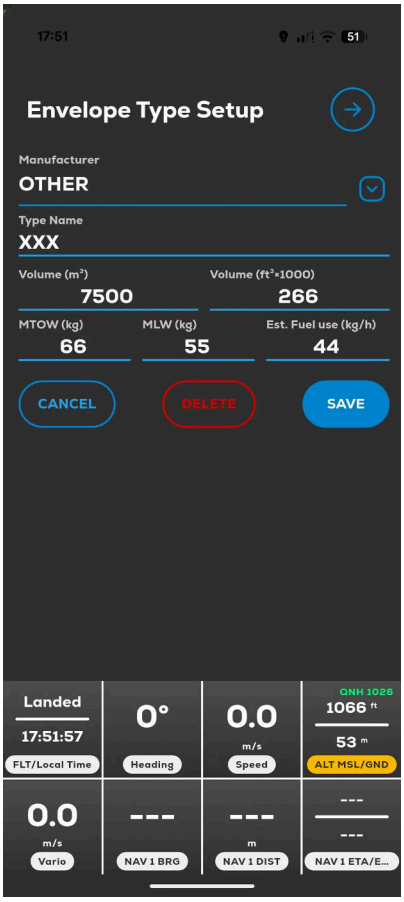
FlyMate Balloon Setup with envelope data and fuel tank configuration

06.02 Add a non-Kubicek balloon

Create its envelope type before adding the balloon.

If the envelope is not listed, confirm it was saved under the intended manufacturer and that the current app mode is correct.

1. Open Menu, Settings and Envelope Types List.
2. Add the envelope under the correct manufacturer.
3. Save the envelope definition.
4. Return to Menu and My Balloons.
5. Tap Add and select the envelope you created.



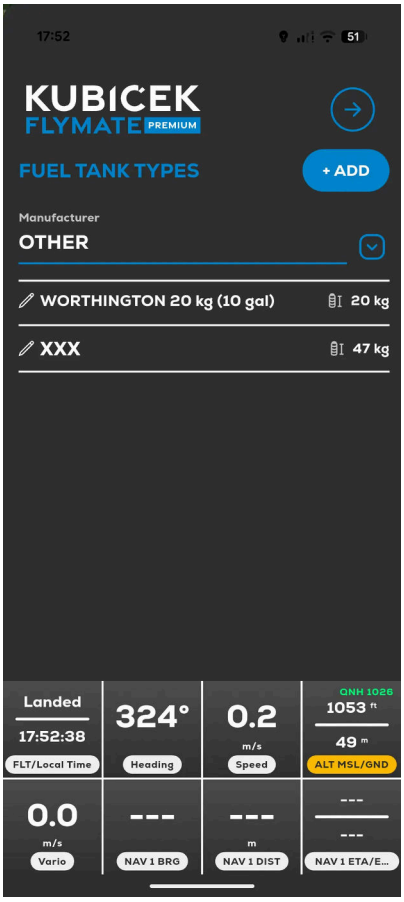
FlyMate custom envelope type setup for another manufacturer

06.03 Configure fuel tanks

Fuel calculations depend on the installed tank types, quantities and starting values.

Supported releases allow user-defined fuel-tank types, including custom full weight. Recheck the selected tank data whenever the installation changes.

1. Open Menu and My Balloons.
2. Add or edit the balloon.
3. Select the installed fuel-tank types and quantities.
4. Create a user-defined tank type in Settings if the required type is unavailable.
5. Save before using Fuel Management.



FlyMate list of user-defined fuel tank types

06.04 Fuel Management

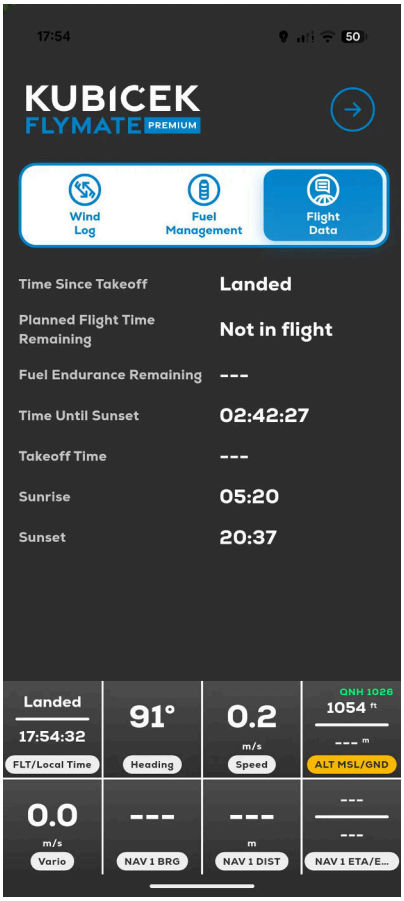
PREMIUM

Monitor recorded fuel, consumption and calculated endurance.

Actual endurance depends on correct inputs, burner use, ambient conditions and the actual system. FlyMate values are decision support.

1. Select the correct balloon.
2. Confirm tank setup and starting fuel.
3. Start the flight or logging workflow.
4. Open Fuel Management from the lower tool bar.
5. Record fuel changes and monitor calculated values.

> SAFETY
>
> Use the applicable flight manual and direct fuel checks. Do not rely solely on calculated endurance.



FlyMate Fuel Management tab with endurance and flight-time information

06.05 Loading Calculator and checklists

PREMIUM

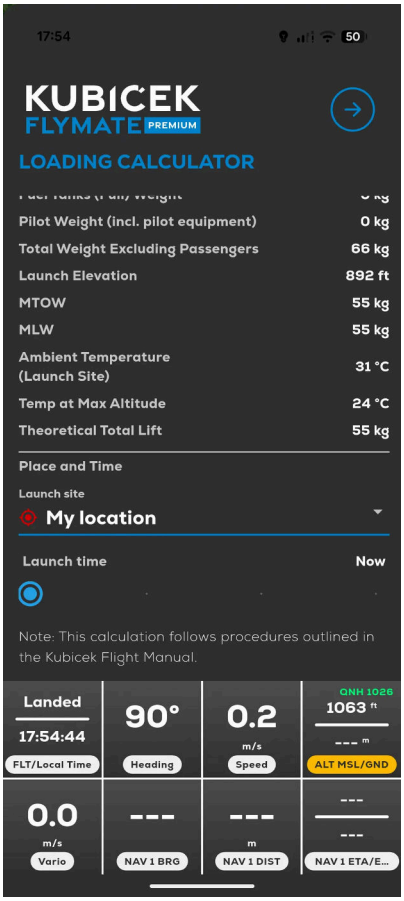
Use the correct balloon data and the applicable approved manual.

Loading Calc is a Premium feature for weight and loading calculations. The result depends on correct aircraft, equipment, passenger and environmental inputs.

FlyMate also provides operational checklists aligned with Kubicek Flight Manuals. Select only the checklist and manual that apply to the actual balloon.

1. Select the correct balloon and configuration.
2. Enter current loading inputs and units.
3. Review the calculated result.
4. Verify it against the applicable approved flight manual.
5. Complete the appropriate operational checklist.

> SAFETY
>
> A FlyMate calculation or checklist does not replace the approved aircraft documentation or pilot verification.



FlyMate Loading Calculator with aircraft, passenger and launch inputs

07 Driver and live tracking

Connect pilot and crew, share live position and interpret remote flight data.

IN THIS CHAPTER

- Driver mode
- Connect a Driver to a pilot
- Follow another pilot or friend
- Remote flight data and timeout
- CarPlay in Driver mode

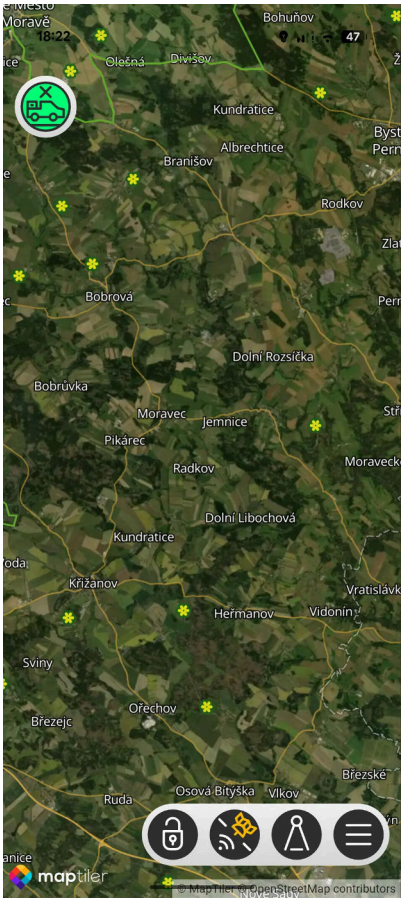
07.01 Driver mode

A chase-crew view for following a connected pilot.

Driver mode is available without Premium. To share a live pilot position, the pilot being tracked needs active Premium.

Both devices need suitable internet access, account connection and location permission for live updates.

1. Open Menu, Kubicek Account and App Mode.
2. Select DRIVER.
3. Open Friend's Location.
4. Choose the connected pilot once sharing is active.



FlyMate Driver mode map with simplified chase-crew controls

07.02 Connect a Driver to a pilot

Create the FlyMate connection before the pilot starts live sharing.

The Friends, Requests and Add Friend tabs manage the connection. During an active connection, the pilot can identify the linked Driver and the Driver can select TRACK beside the linked pilot.

The Driver does not need Premium. The pilot whose position is being shared must have active Premium.

1. Both people sign in to their FlyMate accounts.
2. The chase-crew user opens Menu, Kubicek Account and selects Driver mode.
3. Open Friend's Location and use Add Friend to search for the other FlyMate account.
4. Send the request. The recipient opens Requests and accepts it.
5. The pilot, with active Premium, starts the flight and live sharing workflow.
6. On the Driver device, open Friend's Location, stay on Friends and tap TRACK beside the pilot.
7. Return to the map and confirm that the pilot's marker, track or remote flight data update.

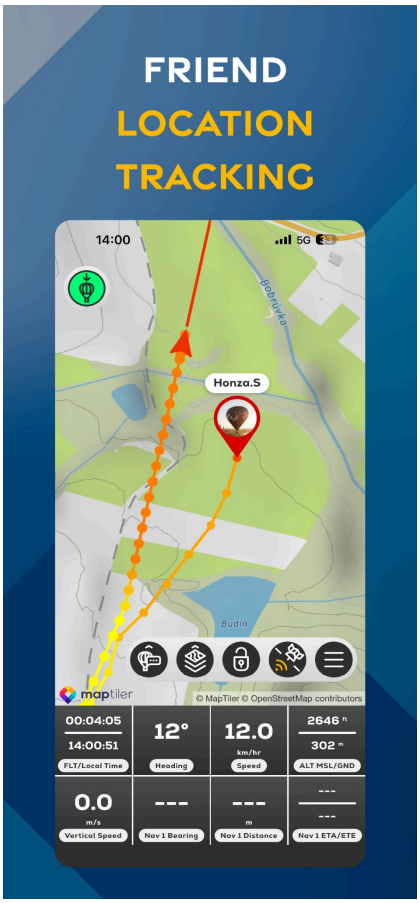
07.03 Follow another pilot or friend

Select a connected user with active sharing to view position and available flight data.

A connected pilot can appear on the map with a named marker and remote track. The pilot being viewed must have Premium and an active sharing session.

The displayed track can be delayed by connection or the trackpoint interval. When the pilot sends a waypoint through FlyMate, the Driver receives a Driver target received from the pilot message and can switch between the balloon and the pilot's target.

1. Open Friend's Location in Driver mode.
2. Open the Friends tab.
3. Tap TRACK beside the connected pilot.
4. Return to the map and check the named pilot marker and remote track.
5. If a target arrives, open the target selector and choose Balloon or Pilot's Target.



Friend location tracking in FlyMate

07.04 Remote flight data and timeout

Check whose data are shown and whether the last position is still fresh.

A heading such as XRD flight data identifies the owner of remote values. They may differ from measurements on the observer's device.

Current releases can show a timeout state when the remote position has stopped updating. Check both devices, internet access, the pilot's background location permission, active sharing and installed versions.

> SAFETY
>
> Do not treat a stale marker as the pilot's current position.

07.05 CarPlay in Driver mode

CarPlay support is available for Driver mode in supported iPhone releases.

CarPlay Driver mode was introduced in FlyMate 1.0.8. Use a current FlyMate version, Driver mode and a compatible CarPlay system.

Android Auto production support is not confirmed in the current public feature list.

1. Park safely before setup.
2. Connect the iPhone to the compatible CarPlay system.
3. Select Driver mode in FlyMate.
4. Confirm FlyMate is allowed in the iPhone CarPlay settings.
5. Choose the connected pilot.

> SAFETY
>
> Do not configure or troubleshoot the display while driving.

08 Logbook and data import

Review recorded flights, inspect profiles and import existing records.

IN THIS CHAPTER

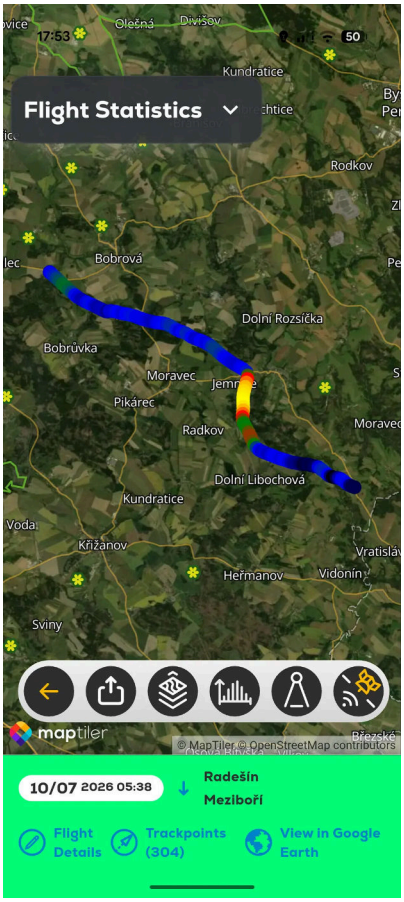
- Review a recorded flight
- Vertical profile and track cleaning
- Import a KML flight track
- Import from HotAir

08.01 Review a recorded flight

Open the flight in My Logbook and inspect its route and statistics.

Long-flight performance and flight-detail views have been improved in current releases.

1. Open Menu and My Logbook.
2. Select the recorded flight.
3. Open Track Viewer or the available flight-detail action.
4. Review route, time, distance, altitude and other stored values.



Recorded FlyMate flight track with route and logbook actions

08.02 Vertical profile and track cleaning

Inspect height over time and correct recorded track data after landing.

The vertical-profile viewer is available in supported current releases. Flight details can also offer tools to edit metadata or clean recorded track data.

Preserve the original record or export a copy before making substantial corrections.

1. Open the selected flight in My Logbook.
2. Open the vertical-profile or detailed track view.
3. Review the complete record first.
4. Apply only corrections you can verify.
5. Save and recheck the resulting flight.

FlyMate flight statistics and altitude-coloured recorded track

08.03 Import a KML flight track

Add an existing KML track to My Logbook.

KML flight-track import is different from importing a KML map overlay through Map Manager.

1. Open My Logbook.
2. Use the available Import action.
3. Select the KML track file.
4. Review the imported route and flight details.
5. Save only after checking the result.

08.04 Import from HotAir

Import flights, tracks and waypoints from a HotAir.sqlite backup.

If the import fails, keep the original backup and note the exact error, file size, platform and FlyMate version.

1. Create or locate the original HotAir.sqlite backup.
2. Make a safe copy and keep the original unchanged.
3. Open Menu, Settings and HotAir import.
4. Select the backup file.
5. Review the imported flights, tracks and waypoints.

> SAFETY
>
> Do not overwrite or modify the only copy of the HotAir database.

09 Gas Pilot and QNH

Set up a gas balloon, record ballast changes and use pressure-derived altitude on compatible devices.

IN THIS CHAPTER

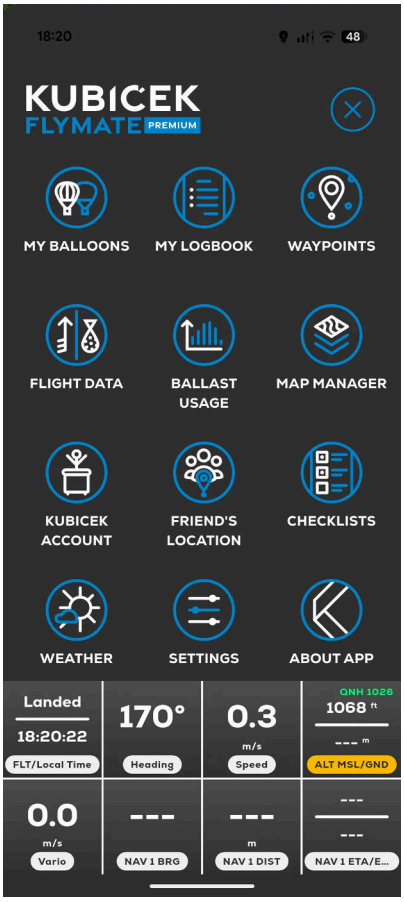
- Set up a gas balloon
- Start a Gas Pilot flight
- Record a sandbag release
- Ballast Management display (Premium)
- Sunrise and sunset indicator
- QNH and pressure-derived altitude

09.01 Set up a gas balloon

Select Gas Pilot mode and create an envelope with the correct volume.

Envelope volume is required for supported Gas Pilot calculations. If the envelope does not appear in My Balloons, confirm it was saved and that Gas Pilot mode is still selected.

1. Open Menu, Kubicek Account and App Mode.
2. Select GAS PILOT.
3. Open Settings and Envelope Types.
4. Add the gas envelope and enter its volume.
5. Save, then open My Balloons and add the new balloon.



FlyMate Gas Pilot menu with Ballast Usage and gas-flight tools

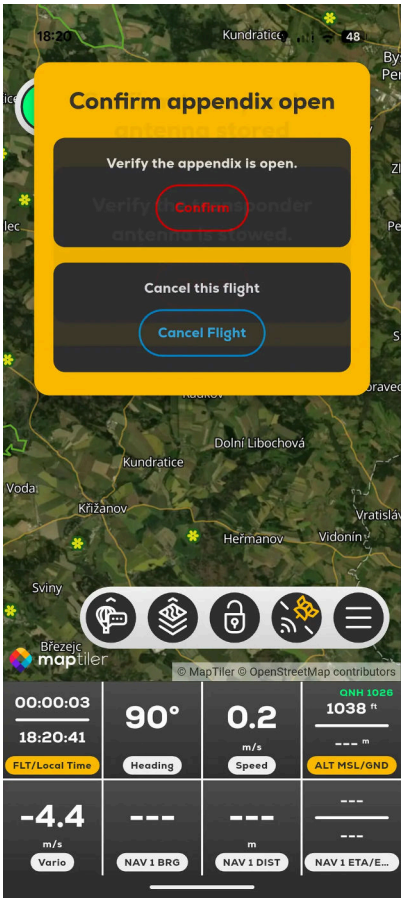
09.02 Start a Gas Pilot flight

Follow the prompts shown by the installed version and confirm the actual onboard setup.

The gas-flight launch workflow can ask the pilot to confirm operational items and enter the starting number of sandbags. Prompt wording and order may differ by version.

Enter only the physical count verified on board and confirm the correct balloon is selected.

> SAFETY
>
> The actual physical balloon state is authoritative. Correct any app record that does not match it.



FlyMate Gas Pilot prompt to confirm the appendix before starting a gas flight

09.03 Record a sandbag release

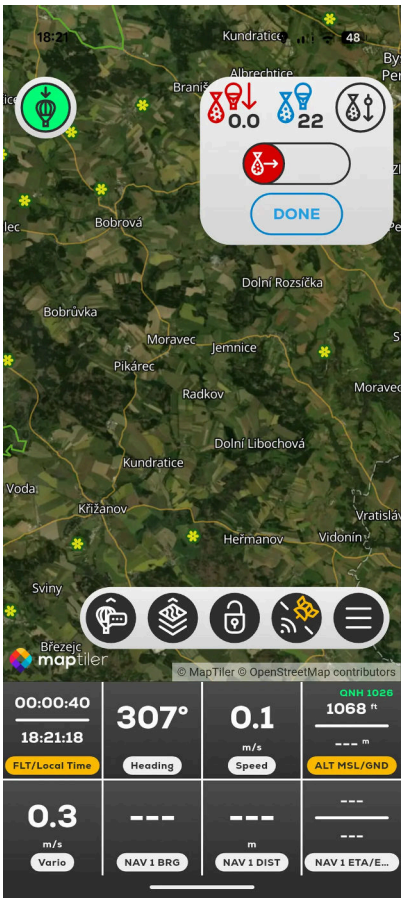
Update the stored onboard count once for each physical release.

In supported versions, open the sandbag release control from the Gas Pilot overlay and complete one full release gesture for each sandbag. Confirm the remaining count after the action.

The exact confirmation surface can differ by version.

1. Open the sandbag action control.
2. Complete the visible release gesture once.
3. Confirm the stored remaining count decreased by one.
4. Repeat only for another actual release.
5. Close or finish the release control.

> SAFETY
>
> Never record a release that did not physically occur, and never release ballast merely because the app shows a number.



FlyMate Gas Pilot sandbag release control

09.04 Ballast Management display

PREMIUM

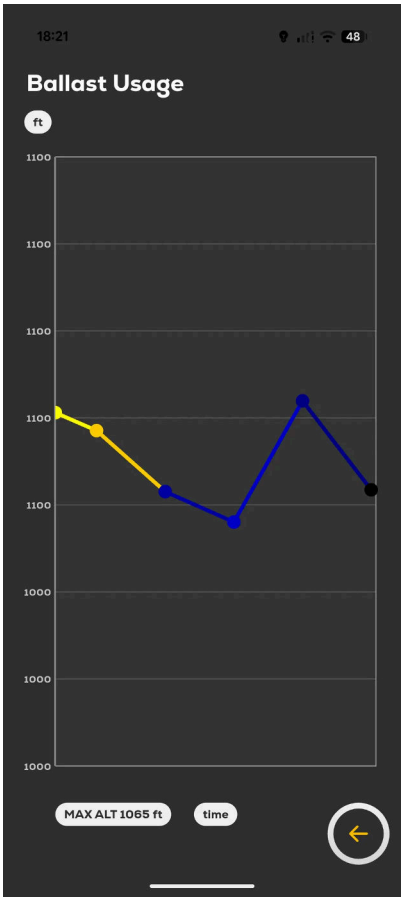
Track remaining sandbags and view supported calculated information.

Ballast Management is a Premium Gas Pilot feature. Supported versions can show the stored remaining sandbag count and a calculated ballast-related value.

A value of 0.0 can be normal when a calculation is inactive or the required conditions and inputs are not available.

- Check the selected balloon and envelope volume.
- Check the configured sandbag mass.
- Confirm the physical and displayed counts match.
- Confirm vertical-speed units and sensor data.

> SAFETY
>
> FlyMate provides decision support only. Base any flight action on qualified judgment, actual balloon response and applicable procedures.



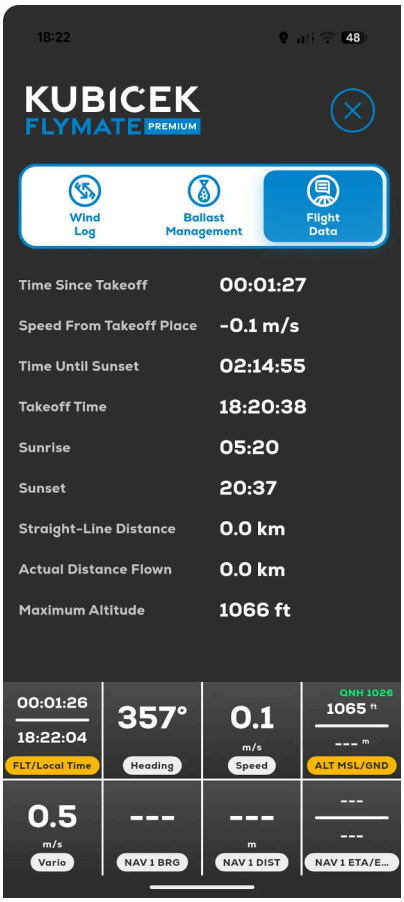
FlyMate Ballast Usage graph during a Gas Pilot flight

09.05 Sunrise and sunset indicator

Longer gas flights can use the supported sunrise and sunset display.

Kubicek's Gas Balloon feature announcement identifies a sunrise and sunset indicator for longer flights. The exact screen can vary by platform and release.

If the indicator is missing, check Gas Pilot mode, installed version and the visible Gas Pilot flight screen.



FlyMate Gas Pilot Flight Data with time until sunset, sunrise and sunset

09.06 QNH and pressure-derived altitude

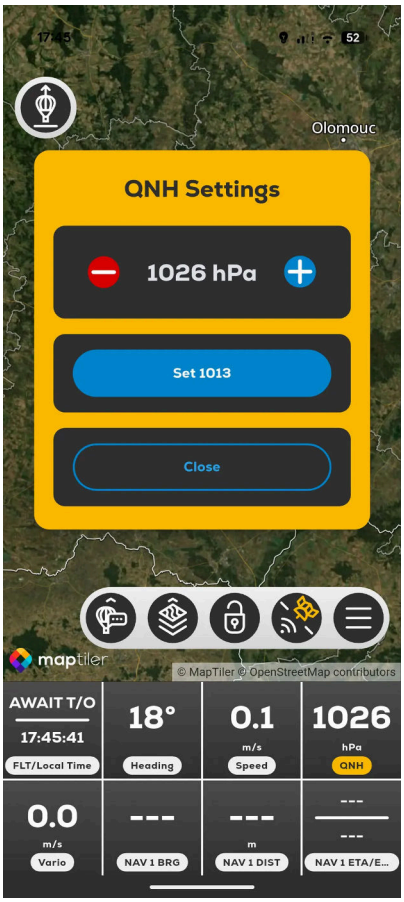
Use the device pressure sensor to adjust barometric altitude where supported.

Pressure Sensor Altimeter is included in Free and Premium. QNH and pressure-derived altitude require a compatible device with a usable pressure sensor.

GPS altitude and pressure-derived altitude are different measurements and can differ. In supported screens, QNH Settings provides the current value, pressure unit, adjustment controls and a Standard setting.

1. Open the altitude or QNH control offered by the current flight screen.
2. Confirm the pressure unit.
3. Adjust QNH using the visible controls or choose Standard when appropriate.
4. Close the panel and verify the altitude display.
5. Compare with current official pressure information and required procedures.

> SAFETY
>
> An internet connection or iPhone hotspot cannot add a missing pressure sensor to a device.



FlyMate QNH Settings with adjustment controls and Standard pressure option

10 Premium, vouchers and billing

Understand store subscriptions, restore access, redeem codes and cancel correctly.

IN THIS CHAPTER

- Premium plans and pricing (Premium)
- Apple and Google purchases are separate
- Restore Purchase
- Redeem a Premium voucher
- Cancel a subscription
- Invoices, refunds and company payment

10.01 Premium plans and pricing

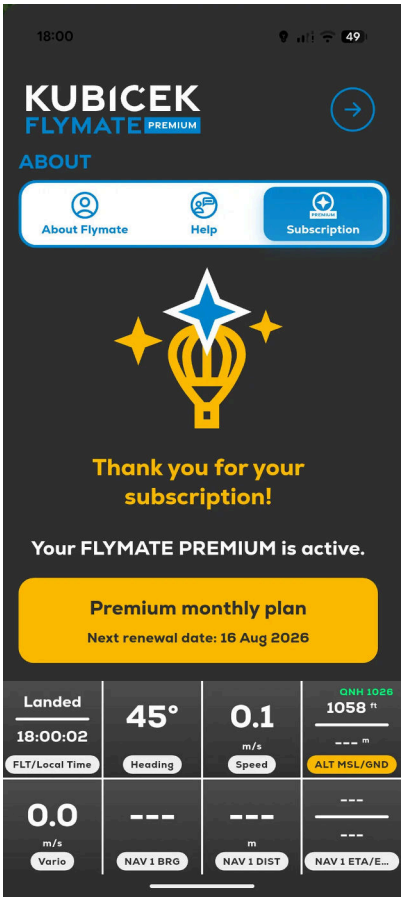
PREMIUM

Monthly and yearly plans are purchased through Apple App Store or Google Play.

The FlyMate website advertised USD 4.99 monthly or USD 49.99 yearly on the date of this manual, including taxes, while noting that prices vary by region and currency.

The amount, currency, tax treatment and trial terms shown in your own store account are authoritative.

> NOTE
>
> Subscriptions renew automatically unless cancelled under the applicable store terms.



FlyMate Subscription tab showing an active Premium plan

10.02 Apple and Google purchases are separate

Premium cannot be transferred between the two store ecosystems.

- Apple Premium works on Apple devices.
- Google Play Premium works on Android devices.
- Restore Purchase works only in the original store ecosystem and account.
- Premium on both ecosystems requires separate subscriptions.
- FlyMate account data can still synchronize across platforms.

10.03 Restore Purchase

Restore an active entitlement using the original store account.

Restore Purchase does not cancel a subscription, create a refund or move Premium between Apple and Google.

1. Confirm whether Apple App Store or Google Play processed the purchase.
2. Sign in to the same store account used for the purchase.
3. Open FlyMate, About app and Subscription.
4. Use Restore Purchase.
5. Close and reopen FlyMate if Premium does not refresh immediately.

10.04 Redeem a Premium voucher

Use the redemption path printed on the voucher for its platform.

FlyMate vouchers may be distributed at selected events, fiestas, factory visits, customer meetings or with selected purchases and services. Availability is not guaranteed.

A code can have platform, country, account, campaign and redemption-date restrictions.

1. Apple: open App Store, tap the profile icon and choose Redeem Gift Card or Code.
2. Enter or scan the Apple code and confirm.
3. Android: open FlyMate, Menu, About app, Subscription and Redeem Code.
4. Enter the Android code and confirm.
5. Return to FlyMate and check Premium status.

> NOTE
>
> Follow the exact platform instruction printed on your voucher. Do not publish or share a one-use code.

10.05 Cancel a subscription

Cancel in the same store that processed the purchase.

The plan normally remains active until the end of the paid period. Deleting FlyMate or deleting the FlyMate account does not cancel a store subscription.

1. Apple: open device Settings, your Apple ID, Subscriptions, FlyMate and Cancel Subscription.
2. Google Play: in FlyMate open About app and Manage Subscription, then select FlyMate in Google Play and cancel.
3. Confirm the store shows the cancellation or expiry date.

10.06 Invoices, refunds and company payment

Billing documents and refund handling depend on the store that processed the purchase.

Apple and Google manage store purchases under their own billing systems. Kubicek cannot be assumed to change the payment method, transfer an existing subscription or issue an invoice for a store-managed purchase.

For support, provide the store, country or region, date, amount, currency and a non-sensitive order reference. Hide unrelated personal data.

> SAFETY
>
> Never send a full payment-card number, CVV, password or authentication code.

11 Account, data and privacy

Understand synchronization, local records, account deletion and how flight data are used.

IN THIS CHAPTER

- Account data and synchronization
- Local data and reinstallation
- Delete a FlyMate account
- Privacy summary

11.01 Account data and synchronization

Account-linked data can include settings, balloons, waypoints, flights and sharing relationships.

FlyMate can synchronize account data and flight logs across devices where account-based services are used. Use the same FlyMate account and sign-in method.

If a record is missing, determine which device last displayed it and whether it had completed synchronization.

11.02 Local data and reinstallation

Reinstallation is not a safe first troubleshooting step.

Some FlyMate data are stored locally. Removing the app or resetting the device can delete local flight data, subject to operating-system backups.

Before reinstalling, confirm account access, allow synchronization to finish, export important records where possible and preserve screenshots or error details.

> SAFETY
>
> Do not remove FlyMate until important local records are confirmed safe.

11.03 Delete a FlyMate account

Delete from Account Settings or contact support when the app is inaccessible.

The Privacy Policy states that deletion requests are generally processed within 30 days. Limited technical or backup records can remain temporarily or where legally required.

1. Open FlyMate Account Settings.
2. Select Delete Account.
3. Follow the confirmation shown in the app.
4. If you cannot access the app, contact helpdesk@kubicekfactory.com.
5. Cancel any Apple or Google subscription separately.

11.04 Privacy summary

Flight data are used to provide FlyMate functions, not targeted advertising.

Support may process emails, screenshots and files that you choose to send. Share only the information needed for the case.

- Personal data are not sold or rented.
- FlyMate does not use personal data for targeted advertising or cross-app tracking.
- FlyMate does not read or import the phone address book.
- Kubicek does not receive or store full payment-card numbers for store subscriptions.
- Location and flight data are processed where needed for navigation, tracking, logging, sharing and related functions.

12 Troubleshooting and reference

Safe first checks, information to collect, known limitations and support contacts.

IN THIS CHAPTER

12.01 Safe first checks

Start with reversible checks that do not risk local data.

1. Confirm the newest FlyMate version offered by your store is installed.
2. Close and reopen FlyMate.
3. Confirm app mode, Premium status, selected balloon and required setting.
4. Check internet and precise or background location permission where relevant.
5. Restart the device.

> SAFETY
>
> Do not clear app data or reinstall until synchronization and possible local-data loss are understood.

12.02 Crash or freeze

Preserve the flight record and collect reproducible details.

If FlyMate closes or stops responding, note the exact action immediately before the problem, whether a flight was active, the approximate time and whether the issue repeats.

A restarted app can offer to continue an ongoing flight in supported workflows. Follow the visible recovery prompt and check the resulting record after landing.

- Device model and operating-system version.
- FlyMate version and app mode.
- Exact steps and visible error.
- Screenshot or short screen recording.
- Whether the problem began after an update.

> SAFETY
>
> Do not troubleshoot a device in a way that distracts from safe balloon operation.

12.03 Missing map, weather or layer data

Coverage and update timing vary; provide a precise place and time.

Check that the layer is enabled in Map Manager and that current data can load. For KML, include the filename and verify that the file opens correctly elsewhere.

- Exact location or nearest town.
- Local date, time and time zone.
- Affected layer or report type.
- Map zoom and chart or satellite style.
- Platform, FlyMate version and Premium status.
- Screenshot and comparison source.

> SAFETY
>
> Use the relevant current official source while missing operational data are investigated.

12.04 Tracking problems

Check the Pilot, Driver, sharing session, permission, connection and timeout state.

If values differ, take screenshots from both devices at approximately the same time and include the remote data-owner label.

1. Identify which device is Pilot and which is Driver or observer.
2. Confirm the pilot has Premium.
3. Confirm both users are signed in and connected.
4. Confirm pilot sharing or flight recording is active.
5. Check background precise location on the pilot device.
6. Check internet access and the last-update or timeout indicator on both devices.

12.05 Premium appears missing

Verify the store ecosystem, purchasing account and active entitlement.

If the store shows an active subscription but FlyMate remains Free, send support a non-sensitive receipt reference and screenshots. Do not send account passwords or full payment details.

1. Confirm whether Apple or Google Play processed the purchase.
2. Confirm the original purchasing store account is active on the device.
3. Check whether the subscription is active, cancelled or expired.
4. Use Restore Purchase on the same store ecosystem.
5. Close and reopen FlyMate.

12.06 Gas Pilot or QNH problem

Check mode, selected balloon, configuration, sensor capability and version.

For a count discrepancy, the physical count verified by the pilot is authoritative. For QNH, confirm that the settings panel opens and the visible controls respond.

- Gas Pilot mode and an active gas flight where required.
- Selected balloon and envelope volume.
- Starting and physical remaining sandbag count.
- Configured sandbag mass and vertical-speed units.
- Compatible pressure sensor for QNH.
- FlyMate version and screenshot.

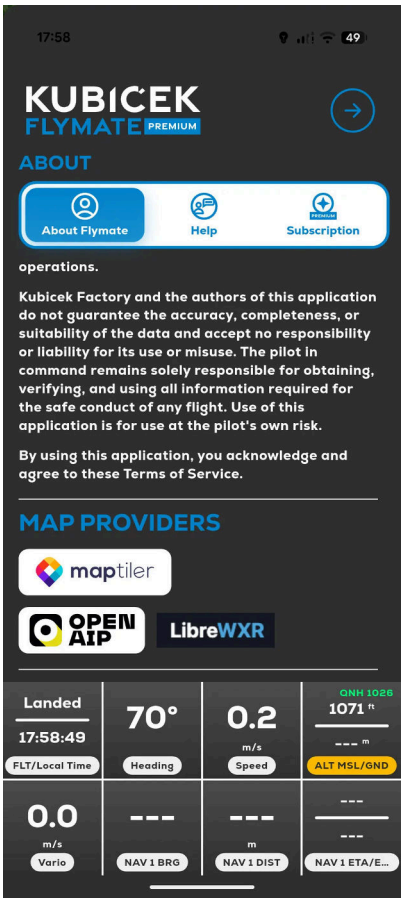
> SAFETY
>
> Support cannot prescribe a ballast release or flight manoeuvre from a screenshot or calculated value.

12.07 Coverage and data providers

Base maps are global, but individual layers can vary by region and source.

FlyMate uses MapTiler for the map environment. Its Privacy Policy identifies providers used by features such as OpenWeather, AVWX, OpenAIP and configured map or tile providers.

Do not assume that one named provider supplies every layer or that every overlay has identical global coverage.



FlyMate About screen listing its map providers

12.08 NOTAMs and official information

A live NOTAM feature is not confirmed in the current public FlyMate feature list.

Do not rely on FlyMate as the source of NOTAM information. Use the applicable official aviation source and current operational publications.

The same principle applies whenever a map, weather report or calculated value affects a flight-critical decision.

> SAFETY
>
> Current official information and legal requirements take precedence over FlyMate.

12.09 Contact FlyMate support

Send a concise record that lets the team reproduce or locate the problem.

Email helpdesk@kubicekfactory.com. For general tutorials and current product links, use the FlyMate pages on kubicekballoons.com.

- Platform and device model.
- Operating-system and FlyMate version.
- Free or Premium and Apple or Google where relevant.
- Pilot, Driver or Gas Pilot mode.
- Exact steps, expected result and actual result.
- Date, local time, time zone and map location where relevant.
- Screenshot or short screen recording with unrelated personal data hidden.