

# GA VFR USER GUIDE

 **HungaroControl**



[DATA MANAGEMENT INFORMATION FOR THE VFR MOBILE APPLICATION](#)  
[GENERAL TERMS OF CONTRACT FOR THE VFR MOBILE APPLICATION](#)

# Table of contents

<b>Introduction</b>	<b><u>3</u></b>	<b>Inventory</b>	<b><u>30</u></b>
<b>Download</b>	<b><u>4</u></b>	<b>FPL</b>	<b><u>31</u></b>
<b>ONBOARDING</b>	<b><u>5</u></b>	<b>Flight Logs</b>	<b><u>45</u></b>
<b>Start screen</b>	<b><u>5</u></b>	<b>Records</b>	<b><u>46</u></b>
<b>Login screen</b>	<b><u>6</u></b>	<b>Aircraft</b>	<b><u>47</u></b>
<b>Viewing Mode</b>	<b><u>9</u></b>	<b>Points</b>	<b><u>48</u></b>
<b>Navigation Mode</b>	<b><u>10</u></b>	<b>AIP Documents</b>	<b><u>50</u></b>
<b>Offline Mode</b>	<b><u>11</u></b>	<b>METAR</b>	<b><u>51</u></b>
<b>Map Callout</b>	<b><u>12</u></b>	<b>Updates</b>	<b><u>52</u></b>
<b>Moving map</b>	<b><u>13</u></b>	<b>Account</b>	<b><u>53</u></b>
<b>Menu</b>	<b><u>17</u></b>	<b>Profile</b>	<b><u>54</u></b>
<b>Top menu 1</b>	<b><u>19</u></b>	<b>Password</b>	<b><u>56</u></b>
<b>Top menu 2</b>	<b><u>20</u></b>	<b>Settings</b>	<b><u>57</u></b>
<b>Top menu 3</b>	<b><u>21</u></b>	<b>Guide</b>	<b><u>58</u></b>
<b>Top menu 4</b>	<b><u>22</u></b>		
<b>Sketch</b>	<b><u>22</u></b>		
<b>Layers</b>	<b><u>23</u></b>		
<b>Search</b>	<b><u>28</u></b>		

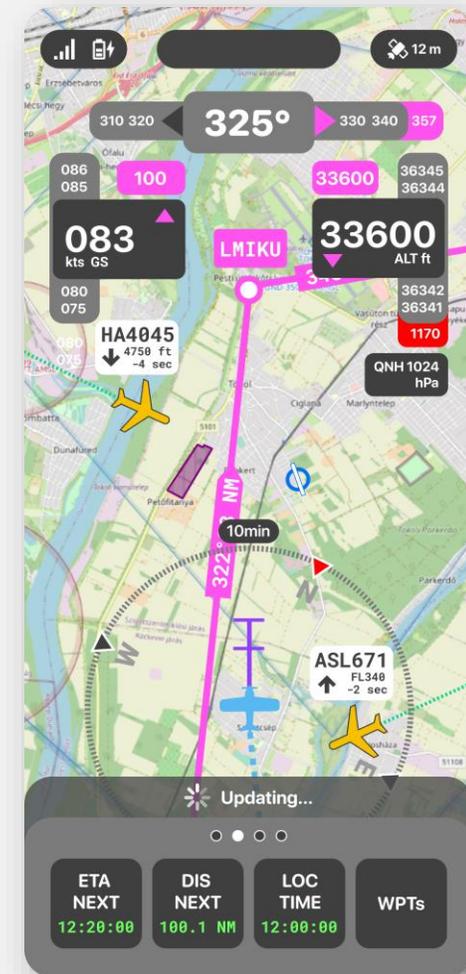
# GA VFR Mobile introduction

## Main functionalities

VFR Mobile Application provides following high-level functionalities for VFR pilots:

- VFR moving map.
- Synchronization of user data with NetBriefing.
- Navigation along specified route.
- Creation and distribution of FPL (from specified route or by hand) and related messages.
- Display of up-to-date flight information (i.e., FUA, NOTAM, MET) and traffic information data during flight.
- Sends own position (in navigation mode) to be integrated in the traffic information for other users.

VFR Mobile Application itself does not have any dedicated backend component and uses NetBriefing server-side components as its backend.



# Download from application stores

*Google Play and App Store*

Supported mobile operating systems are **Android** and **iOS**.

Click on the Google Play or App Store icons to download the applications.

Minimum requirements:

## Android

- ✓ Android OS 13 (API level 33)

## iOS

- ✓ iOS 16.1 or newer
- ✓ iPadOS 16.1 or newer
- ✓ MacOS 13.0 or newer and Apple M1 chip or newer



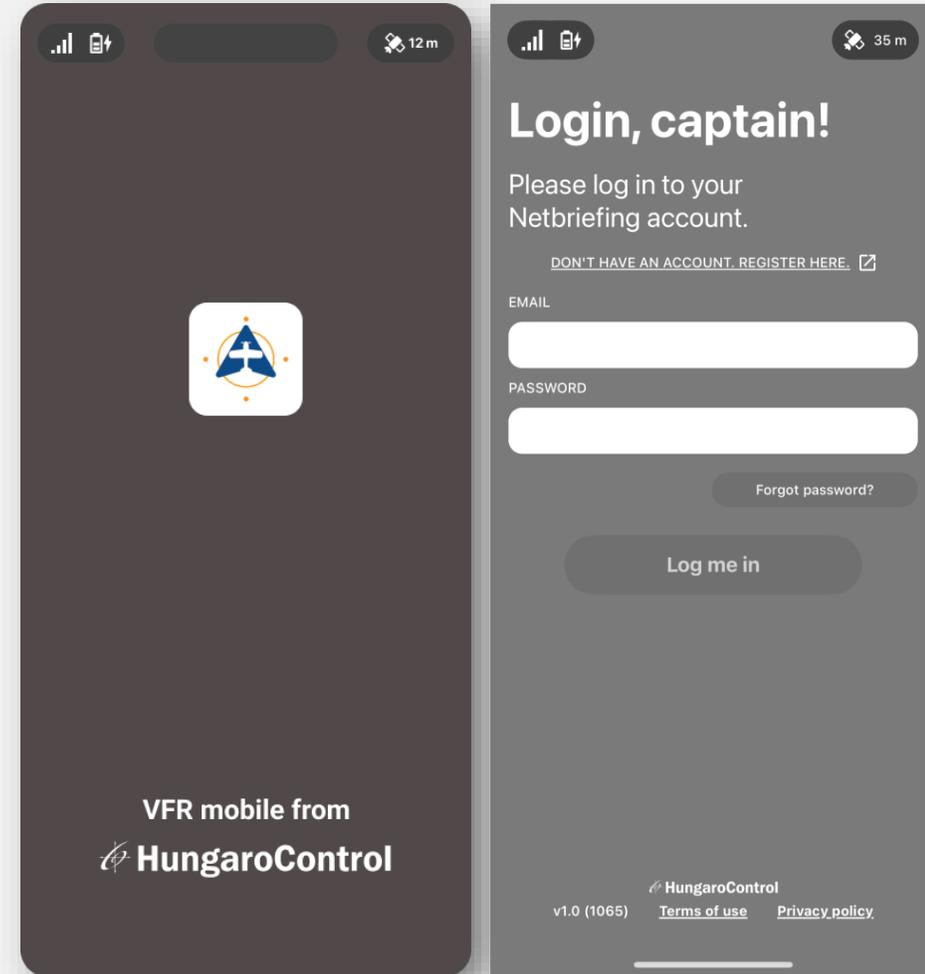
# ONBOARDING

**Start screen** *Login screen Main screen Moving map Menu*

After user-initiated startup of the VFR Mobile Application Startup Screen is shown.

It shows version of application, state of connection with NetBriefing system, and loading progress-bar.

It also indicates possibility to download updated version of VFR Mobile Application from either Apple or Google Store (depending on operating system on the user`s mobile device).



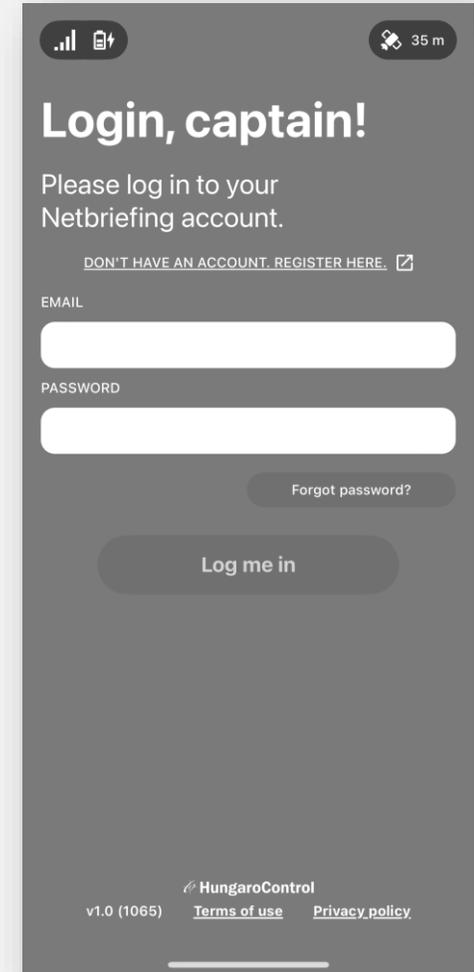
# ONBOARDING

Start screen **Login screen** Main screen Moving map Menu

Registration is the same as for NetBriefing.

- The user can enter by clicking on 'Log me in'.
- If the user has previously registered with NetBriefing, the same email address and password can be used.
- In case of a forgotten password, an email will be sent to the user's email address after clicking on 'Forgot password?'.

The current version number is displayed at the bottom of the page, and the 'Terms of Use' and 'Privacy Policy' documents are available in both English and Hungarian.



# ONBOARDING

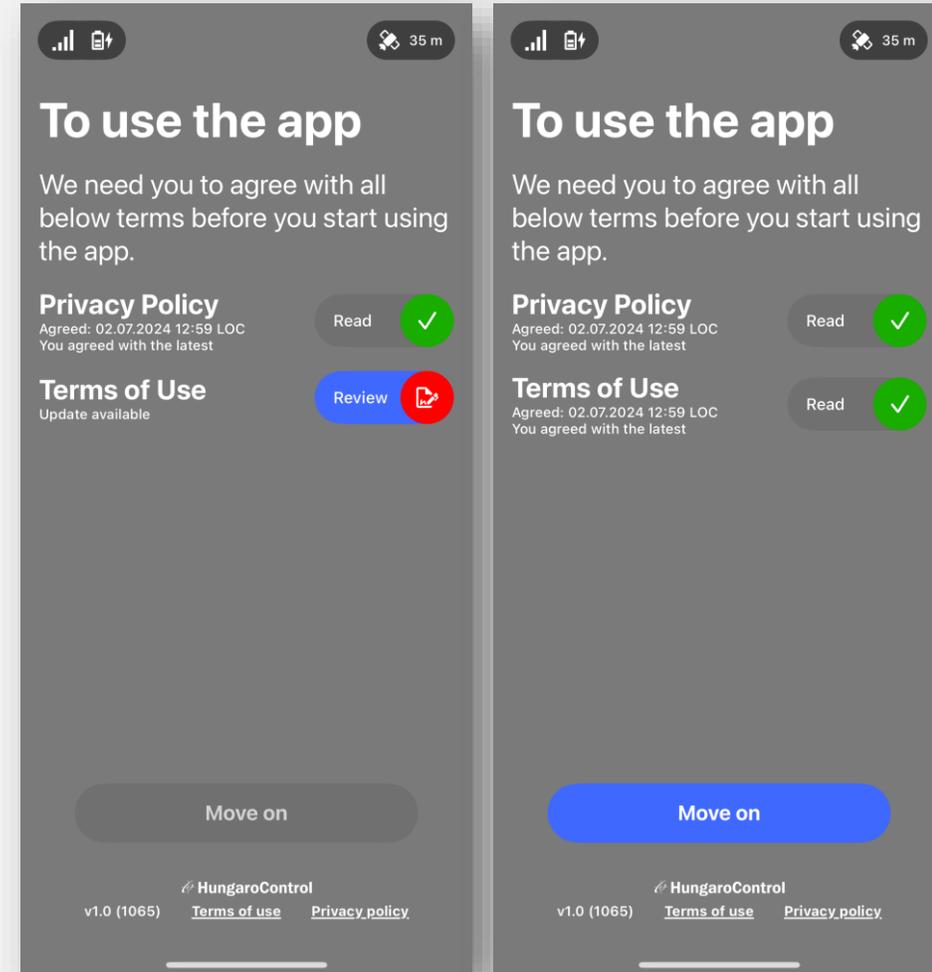
Start screen **Login screen** Main screen Moving map Menu

To proceed to the next page, the user should read the 'Privacy Policy' and 'Terms of Use' documents.

To proceed to the next page, the user should click on the 'Move on' button.

After loading of all resources needed during Startup Screen Disclaimer is shown.

It contains textual content and user can either accept the content (by pressing the "I Agree" button) or turn of application (in case he/she does not agree with the content of the disclaimer).



# ONBOARDING

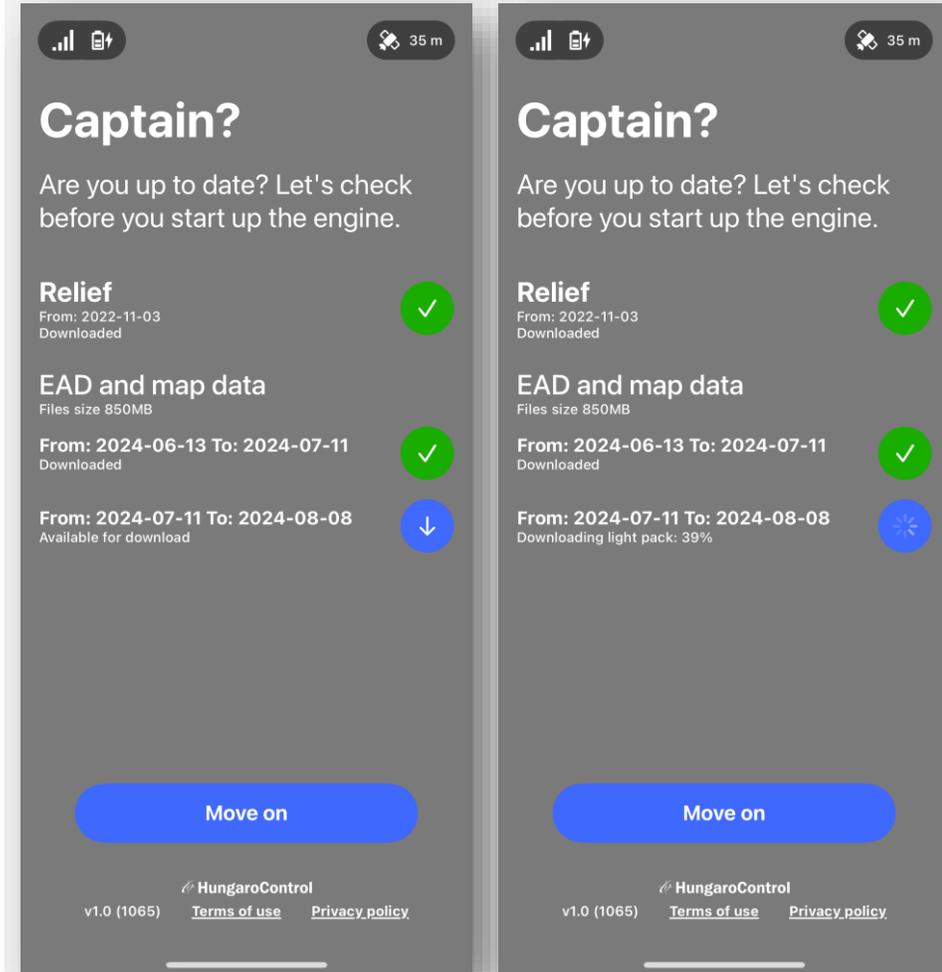
Start screen **Login screen** Main screen Moving map Menu

This page contains the following menu items:

- **Relief:** Hungarian terrain database.
- **AIRAC and map data:** actual and following EAD data for offline use.

The download of at least one AIRAC data is mandatory. Please note, that the download may take several minutes.

By clicking on 'Move on' the user can proceed to the main screen.



# Viewing Mode

Start screen Login screen **Main screen** Moving map Menu

The main screen of the application consists of 3 main parts:

1. Upper status row
2. Moving map
3. Menus

The upper row contains the following elements:

1. Internet connectivity
2. Battery status
3. GNSS status with accuracy



After completion of the data update or skipping it, VFR Mobile Application switches to Viewing Mode. In the Viewing Mode all main app functions are accessible except those specific to Navigation Mode:

- Map viewing and configuration,
- Own ship position from GNSS (if available) displayed on the map,
- Viewing different kinds of data on top of the map,
- Viewing different kinds of data in separate viewing windows (in case non georeferenced data types such as AIP Documents),
- Viewing/modifying user data – aircrafts, flight logs, FPLs, etc.
- Map drawing,
- View menu to access aforementioned functionalities,
- Warning in case NB system becomes to be inaccessible (most probably because of mobile signal absence).

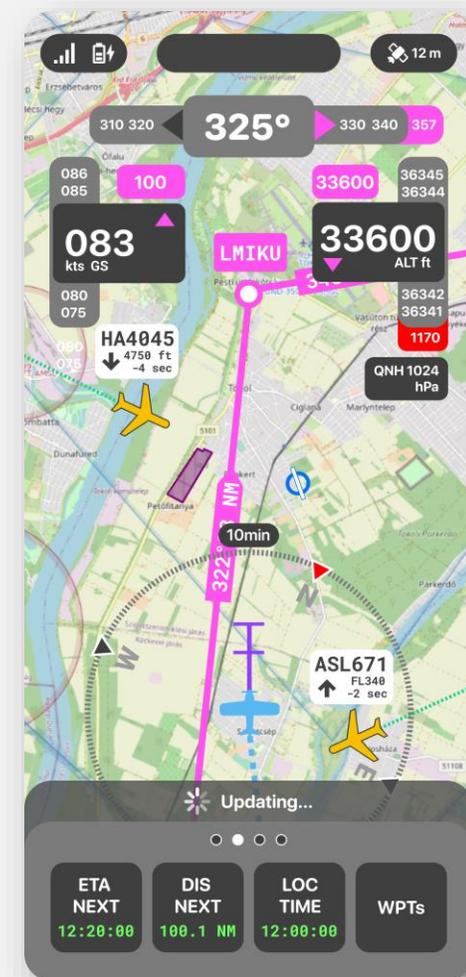


# Navigation Mode

Start screen Login screen **Main screen** Moving map Menu

User can switch from Viewing Mode to Navigation mode via:

- Pressing “Start the flight” button in the list of Flight Logs – Flight Log route is used for navigation
- Pressing “Start the flight” button in the list of FPLs – FPL route is used for navigation
- Pressing “Start the flight” button in the menu – no route is used for navigation Navigation Mode is extension of the Viewing mode containing additional functions to this mode:
- Navigation along the route (in case Navigation Mode was invoked from Flight Log or FPL),
- Altitude indicator displaying actual altitude above EGM20081 geoid (AMSL approximation), terrain elevation on the current position (derived from DEM) and planned altitude on current route leg based on Flight Log or FPL (if either of those is used for navigation),
- Ground speed indicator showing ground speed derived from GNSS measurements and planned speed on current route leg based on Flight Log or FPL (if either of those is used for navigation),
- Track indicator displaying true track obtained from GNSS measurements (thus this track information includes wind drift component) and track to next waypoint based on Flight Log or FPL (if either of those is used for navigation),
- Display of traffic information on top of the VFR Map and its constant update,
- Periodical reporting of own ship position and movement parameters to the NetBriefing system to be fused into traffic information for other users,
- Periodical reporting of mobile signal quality to the NetBriefing system to be used for mobile signal quality analysis,
- Logging of position and movement parameters,
- Display of warnings about connection loss or new data update.
- Zoom in to tap once and zoom out to tap twice on the screen.



# Offline Mode

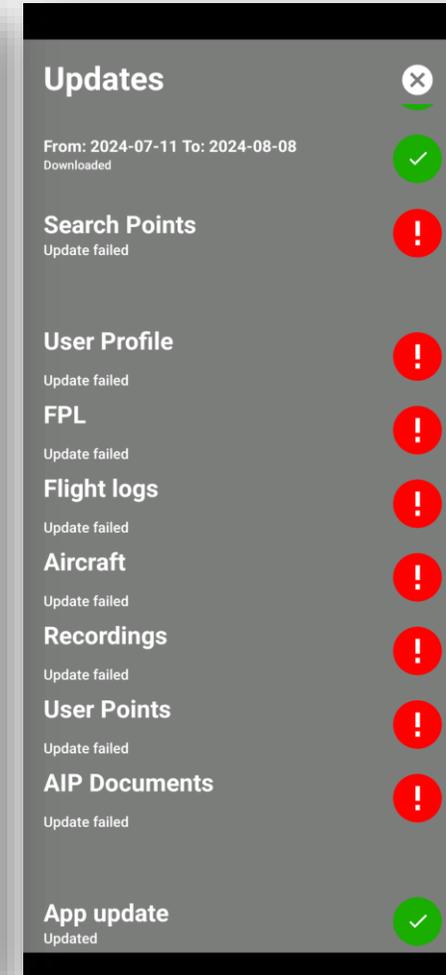
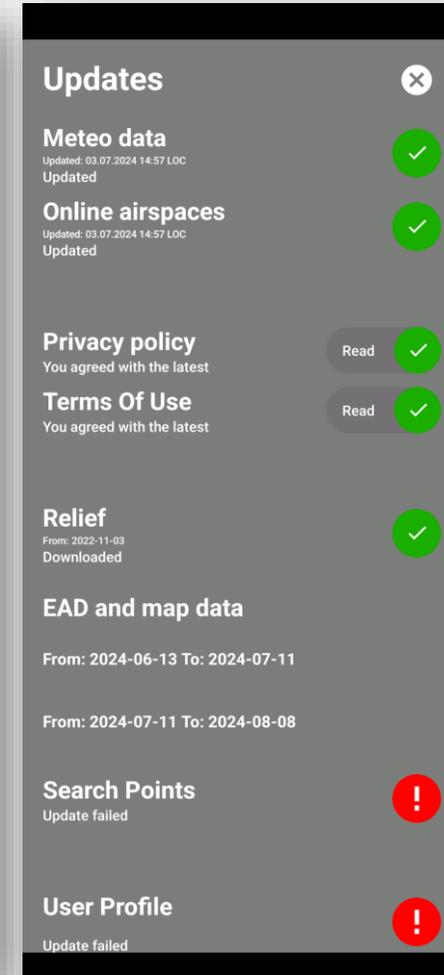
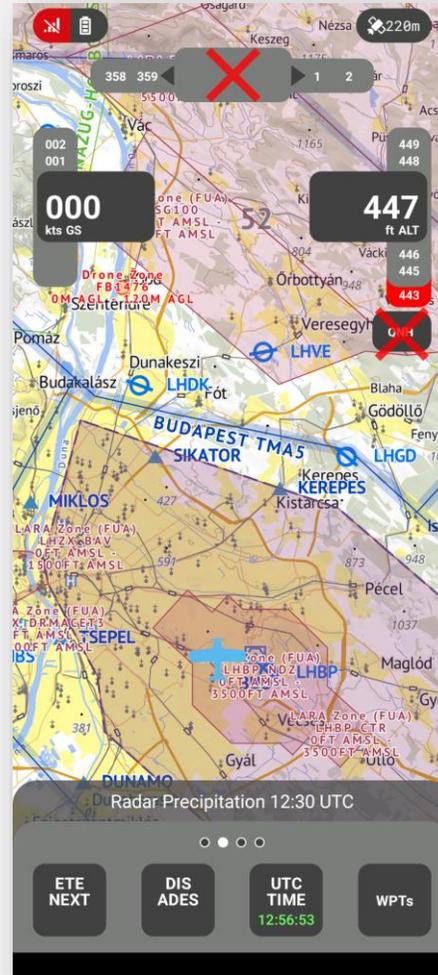
Start screen Login screen **Main screen** Moving map Menu

Application is in Offline Mode when login is not possible due to inaccessibility of the NB system (VFR Mobile Application is expected to be used on places outside mobile signal coverage too) and is chosen by user in Login Screen.

During offline mode only data already available on the device are used and no data update is possible. User has option to try to login using Login Screen once mobile signal becomes available.

As in Data Status and Update View user can see dates of last update of various data categories, however dates of most recent versions available from NB system are not shown.

In this mode all the functionalities of the Viewing not requiring direct connection to NB system are accessible. Displayed data corresponds to latest data available on the device.



# ONBOARDING

Start screen Login screen **Main screen** Moving map Menu

## MAP CALLOUT

Airport information can be displayed by tapping and holding for 3 seconds to the desired airport icon on the map. E.g.: LHNY information is visible.

The following information are displayed if available from European Aeronautical Database:

1. ICAO code
2. Elevation
3. Radio
4. Runway information



# ONBOARDING

Start screen Login screen Main screen **Moving map** Menu

The moving map contains the following elements:

## True direction:



Magenta arrow indicates the planned track direction in degrees.

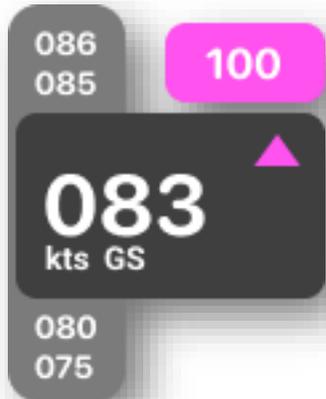


The aircraft is on track.



The device is unable to generate track (but position is still available).

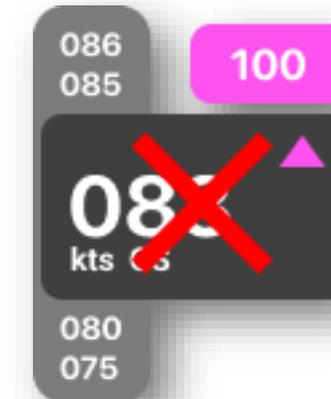
## True ground speed:



Magenta shows the planned speed. Arrows indicates the direction of modification needed to reach the planned speed.



The aircraft is flying with the planned speed.



The device is unable to generate track (but speed is still available).

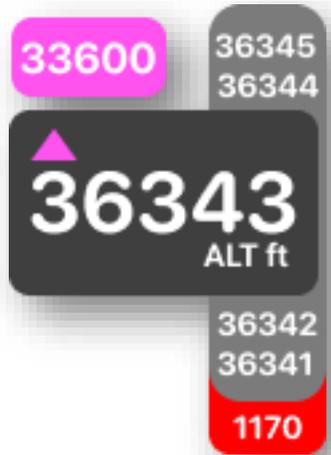
*The speed can be displayed on mph, kmh or knots.*

# ONBOARDING

Start screen Login screen Main screen **Moving map** Menu

The moving map contains the following elements:

## True altitude according to WGS87:



Magenta shows the planned altitude. Arrows indicates the direction of modification needed to reach the planned speed.



The value highlights in red shows the terrain altitude (relief data) relative to the current GNSS position. **THE VALUE ITSELF IS UPDATED, BUT THE DISPLAY IS FIXED!** The altitude can be displayed in *m* or *ft*. The QNH value shows the nearest available QNH value. The values can be displayed in *hPa* or in *inHg*.



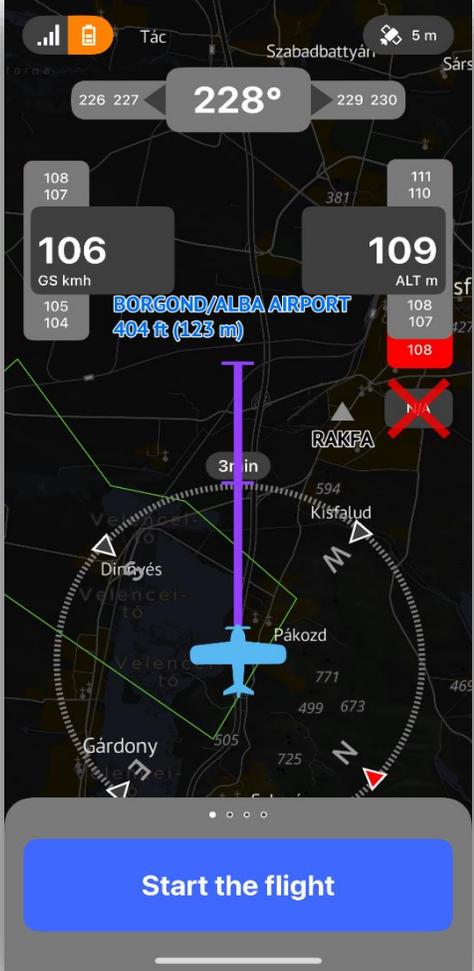
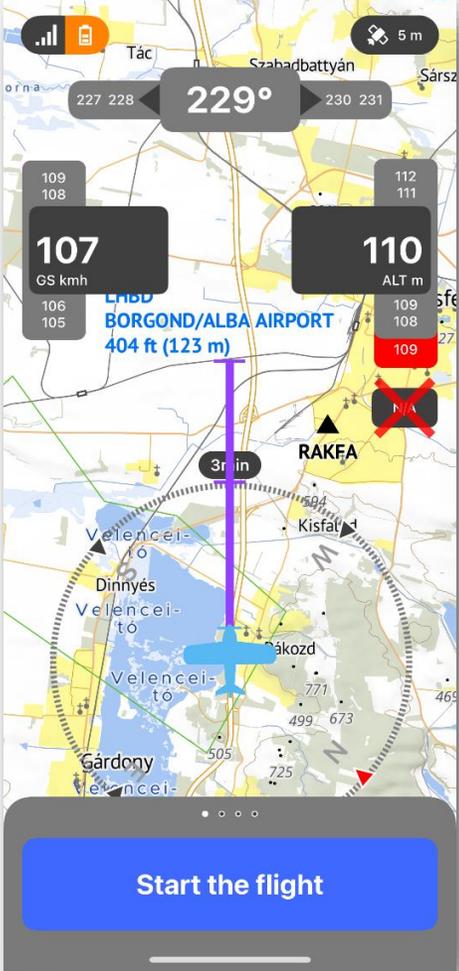
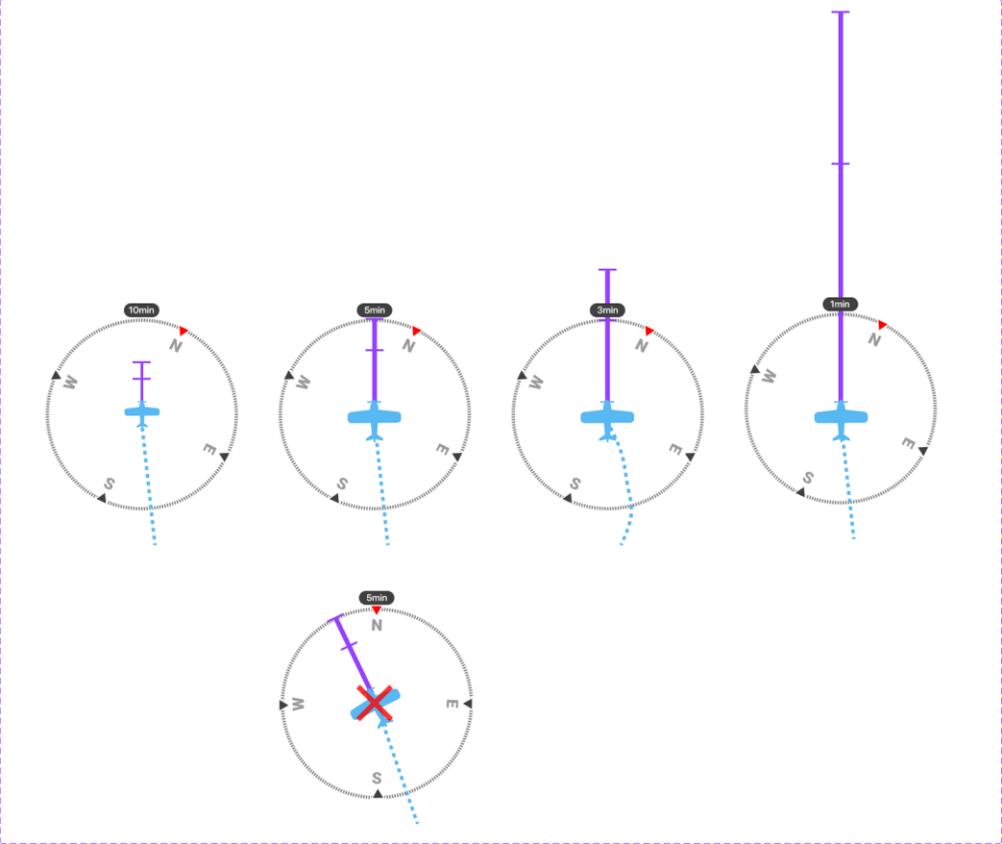
The device is unable to generate track (but altitude is still available).

*The background map can be displayed in day or night mode (vector map/ dark vector map set by layers menu). **The values on the map are shown in imperial only!** Different layers can be added to the main map, see 'Layers' menu.*

# ONBOARDING

Start screen Login screen Main screen **Moving map** Menu

My Target: Turning compass with the actual track direction is displayed around the “my position icon” with a time bar crossed at 5, 3 and 1 minutes. In case no position data is available then a red cross is displayed across the “my position icon”.



# ONBOARDING

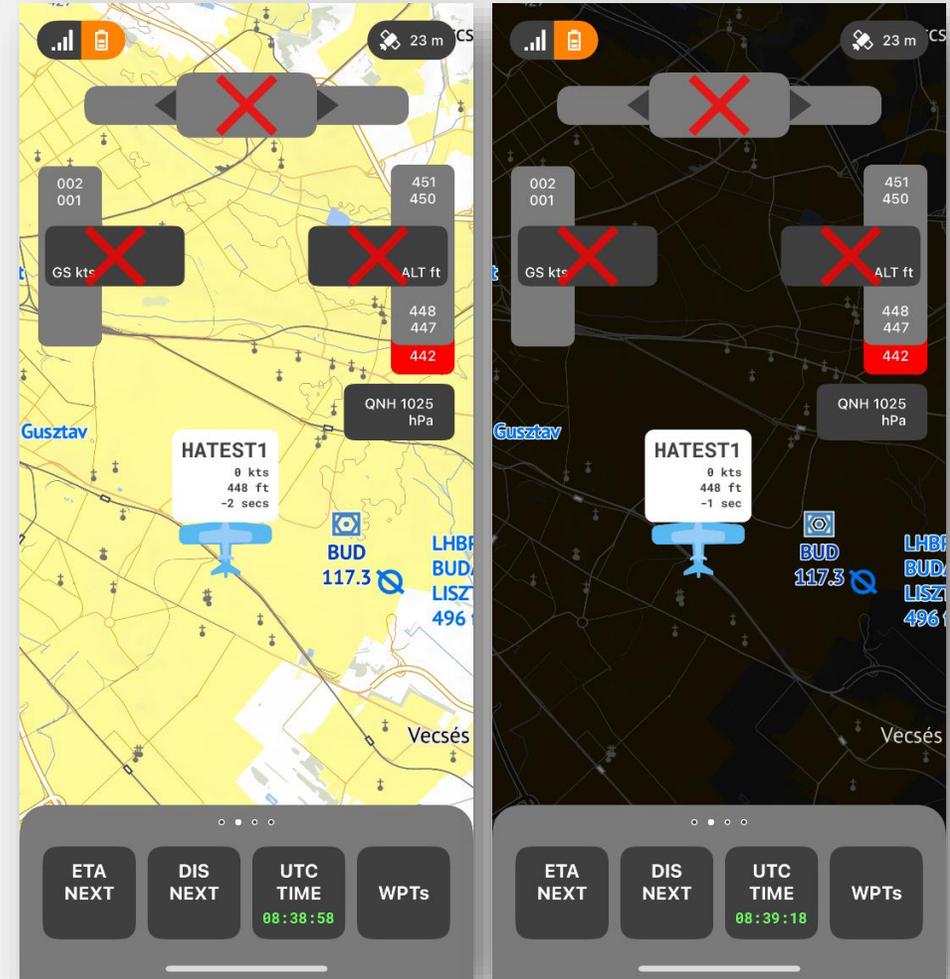
Start screen Login screen Main screen **Moving map** Menu

Tracking:

Shared position data displayed on another user device with track information as following:

- **Shared Aircraft ID** or Aircraft ID from **FPL**
- True **Airspeed** from GNSS
- True **Altitude** from GNSS
- **Last updated** interval in seconds.

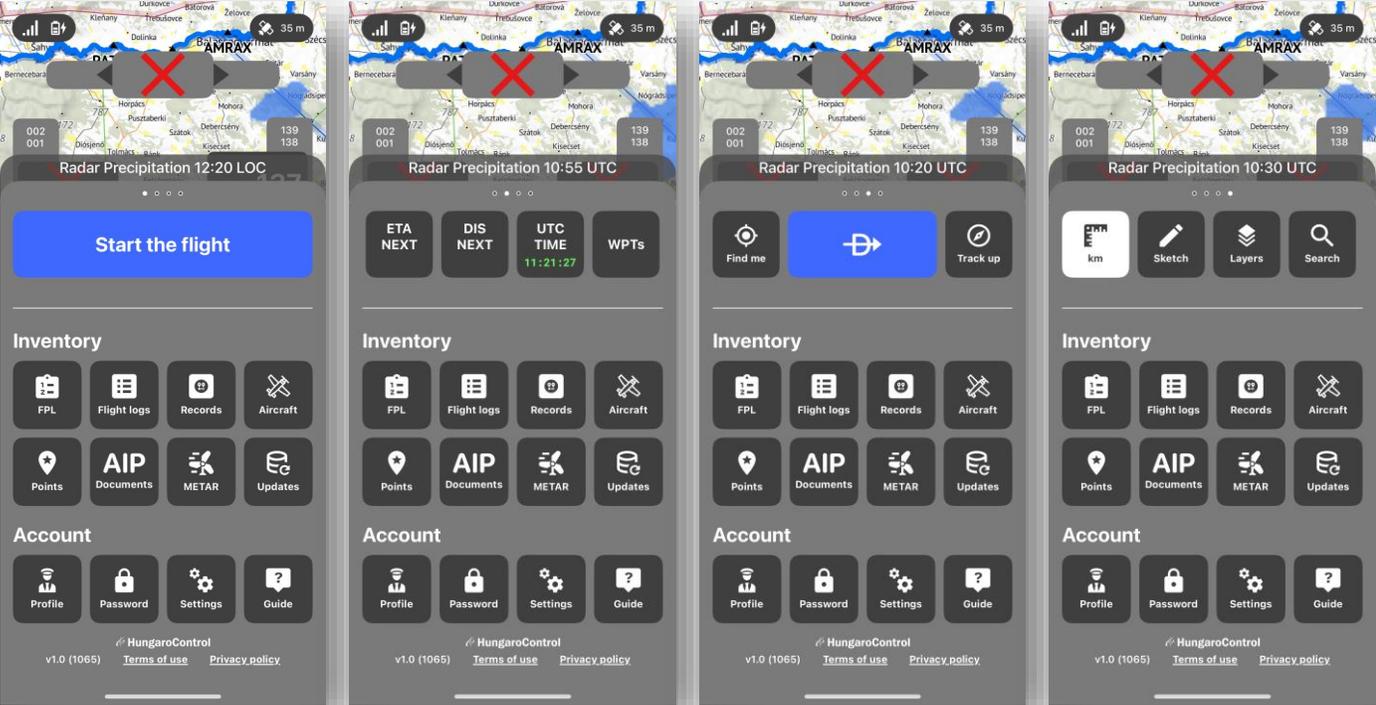
Older then 5 seconds the icon will not be displayed.



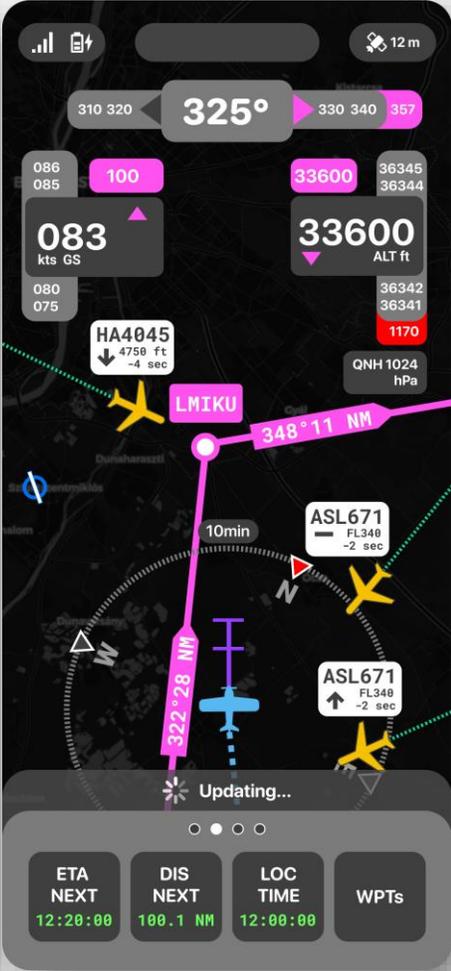
# ONBOARDING

Start screen Login screen Main screen Moving map Menu

Navigation between the menu elements.  
Swipe left/right between the upper menu:



Upper menu area



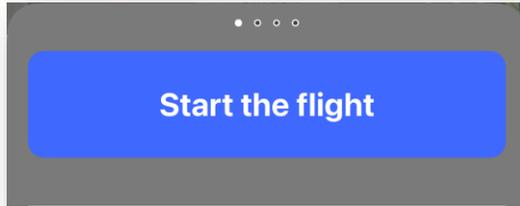
# ONBOARDING

Start screen Login screen Main screen Moving map **Menu**

The user can navigate between the items in the **top menu** area by scrolling left and right.

The following menu items are available:

## Top menu 1



- a. **Start/Stop the flight:** start the flight or stop the flight

## Top menu 2



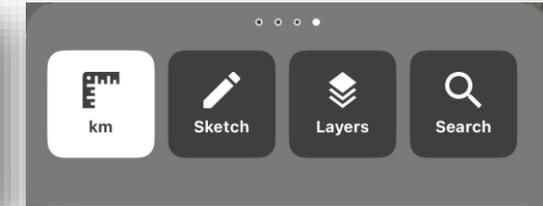
- a. **ETA next/ ETE next/ETA ADES:** Time to arrival destination/next waypoint
- b. **DIS ADES/DIS next:** distance to arrival destination/next waypoint
- c. **LOC time/UTC time:** Local or UTC time
- d. **WPTs:** toggles to next flight leg during navigation

## Top menu 3



- a. **Find me:** the moving map jumps to the own position
- b. **Direct to:** direct flight to a given waypoint
- c. **Search:** search of waypoint on the basis of a coordinates or name

## Top menu 4



- a. **KM/NM:** usage of metric or imperial units on the main screen
- b. **Sketch:** free drawing on the main map
- c. **Layers:** configuration of the different layer items
- d. **North up/ Track up:** the user can select whether the moving map is pointing to North or in the Direction of heading

# Top menu

**Top Menu 1** *Top Menu 2 Top Menu 3 Top Menu 4*

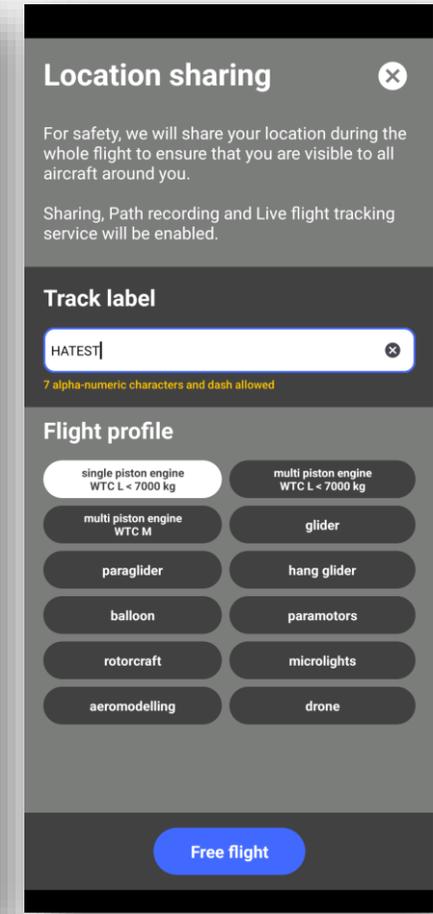
In accordance with the Terms of use accepted by the user, by clicking on the ,Free Flight' button, the user accepts to share his/her position with other users of the application.

**Track label:** data provided by the user. Please use the aircraft registration (if applicable).

**Flight profile:** the user may select his/her airplane type and how you are seen if possible, choose the real profile, not the one that deceives others.

Select the , **Start the flight** ' then Click on the ,**Free Flight**' button to display the GNSS data and start recording.

The data is synchronized into the system at the end of the flight ,**Stop Flight** button'.



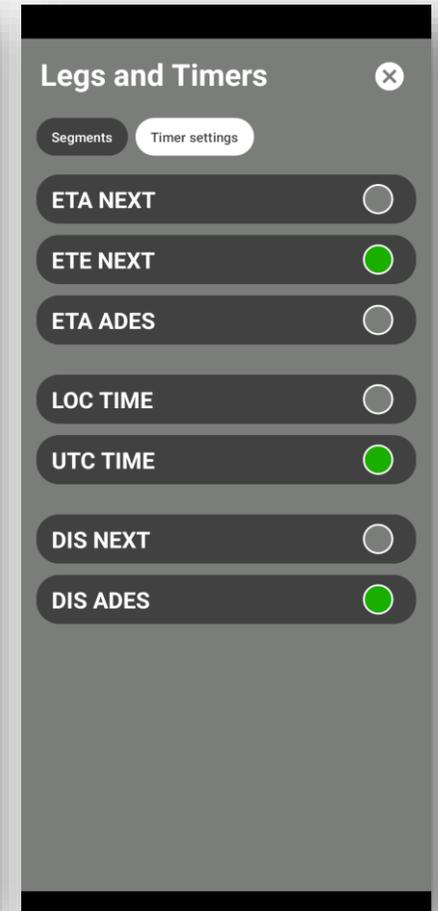
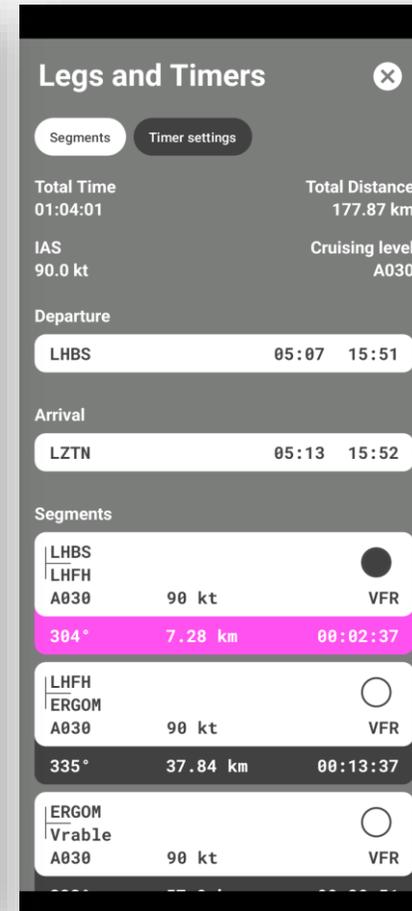
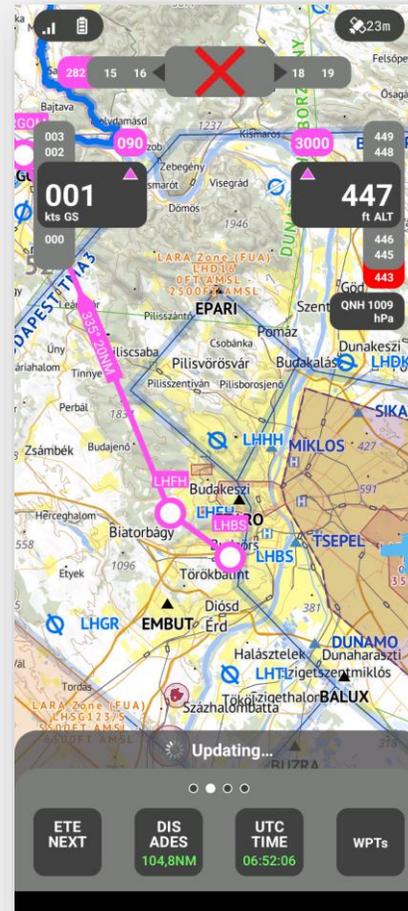
# Top menu

Top Menu 1 **Top Menu 2** Top Menu 3 Top Menu 4

You can select the WPTs button during an active flight.

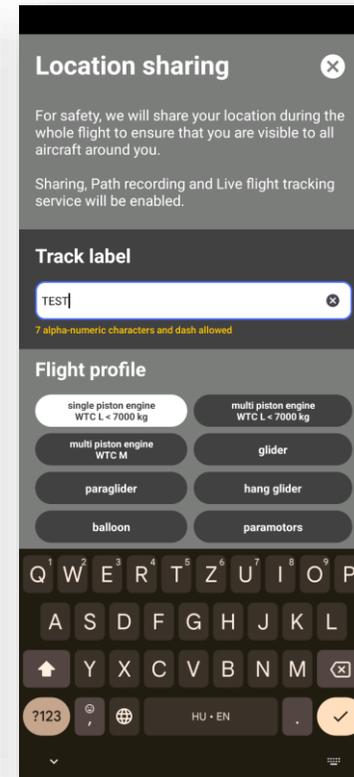
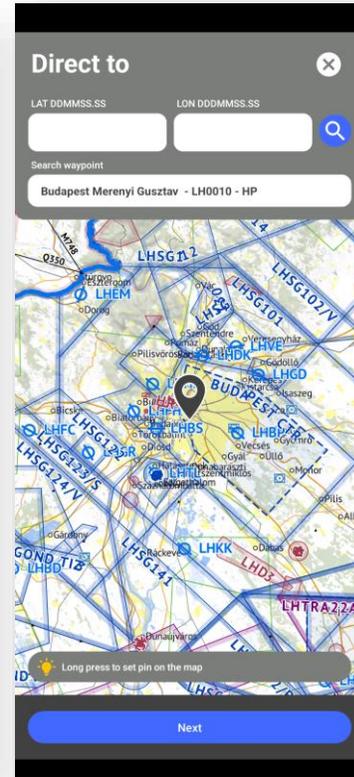
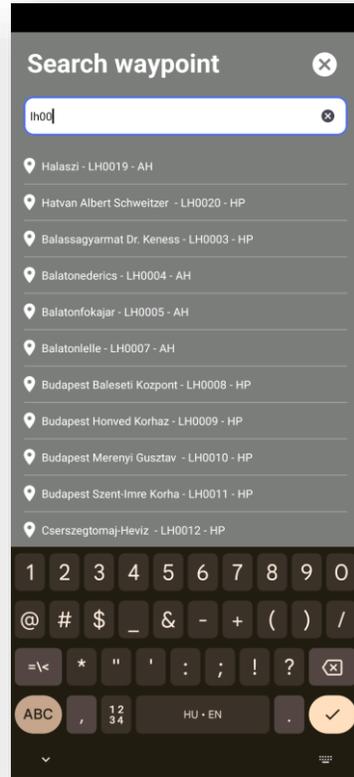
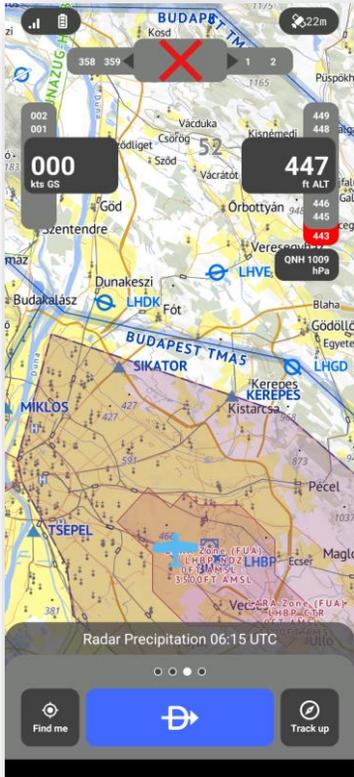
The legs and timers screen will display the information for each leg.

The actual, or manually selected leg is highlighted in pink colour.



# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 Top Menu 4



The user can fly directly to a desired point by selecting the 'Direct to' button from the upper menu items.

After clicking on the 'Direct to' button a new menu item appears, where the user can select the desired way point by entering its coordinates or the name of the waypoint.

When the user enters the first letters of the desired waypoint, the application offers the available waypoints starting with the same letters and the user can select the appropriate one.

After selecting the desired waypoint, the user can click the 'next' button and then initiate a flight by entering the track label, selecting the flight profile and clicking the 'Free Flight' button.

# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4**

Km/NM **Sketch** Layers Search

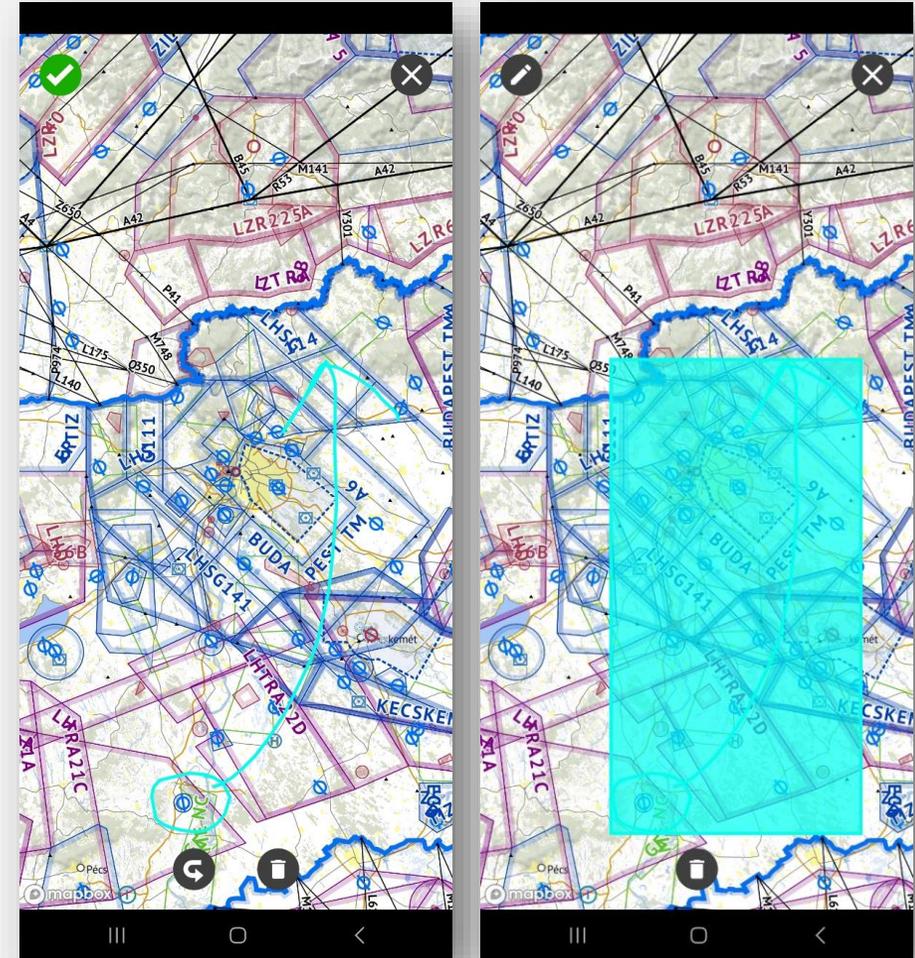
Sketch mode is accessed from the top menu by clicking the Sketch button. Once in Sketch mode, the user can draw freely by clicking on the pen button in the top left corner.

To save the drawing, the user should click on the check mark in the upper left corner.

The user can undo the last pen movement by selecting the back arrow at the bottom of the screen.

The entire drawing can be deleted by selecting the trash can icon.

A previously created drawing can be deleted by selecting the required sketch and clicking on the trash can icon.

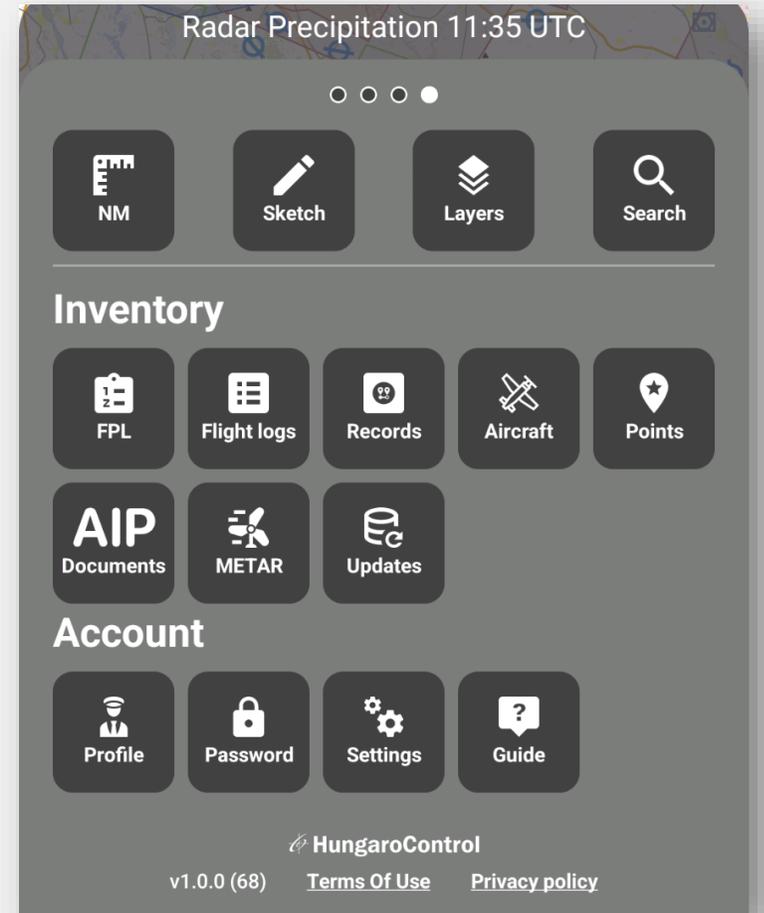


# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4**

Km/NM Sketch **Layers** Search

The user can configure the layers of the main display by selecting the 'Layers' menu from the upper menu bar.



# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4**

Km/NM Sketch **Layers** Search

## Airspaces *Meteo Maps Tracks*

By selecting the 'Airspaces' layer, the user can enable or disable the visibility of the following layers.

### Airspace online

Drone Zone, LARA

### AIS offline

Aerodromes, VFR Entry points, ICAO waypoints, NAVAIDs, CONV/RNAV, Minimum Grid Altitude

### Airspaces offline

FIR, CTR, TMA, MCTR (FUA), MTMA (FUA), RMZ, TMZ, TRA (FUA), TIZ (FUA), P, R, D (FUA), PROTECT, Drop Zone (FUA), Aerobatics Areas (FUA), Glider Areas (FUA).



# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4**

Km/NM Sketch **Layers** Search

Airspaces **Meteo** Maps Tracks

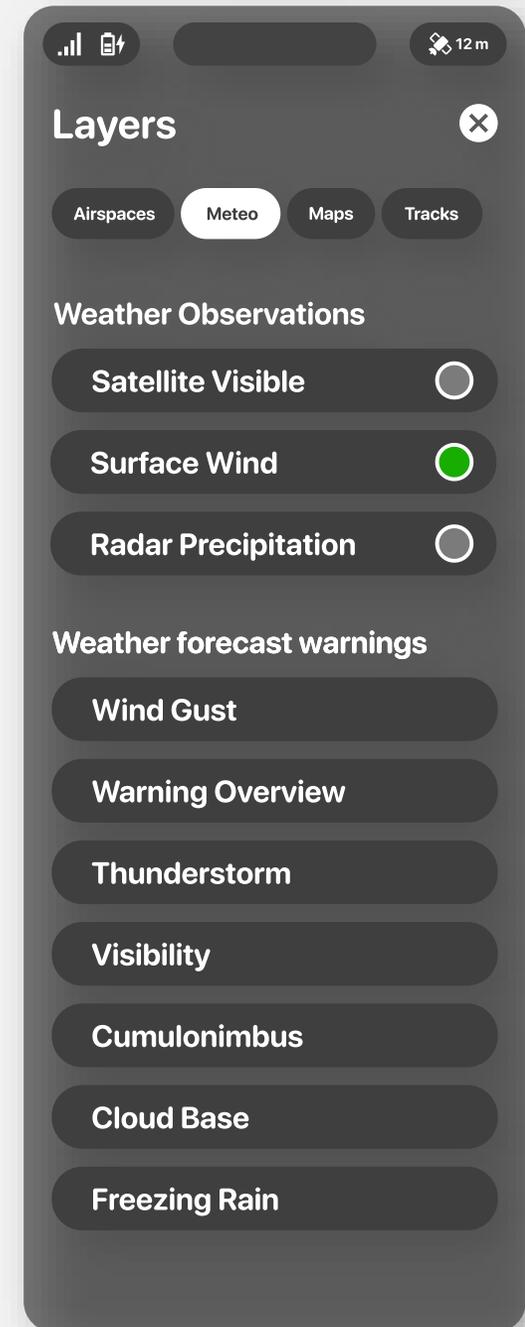
From the 'METEO' menu, the user can enable or disable the visibility of the following layers:

## WEATHER OBSERVATION

- Satellite visible
- Surface winds
- Radar precipitation

## WEATHER FORECAST WARNINGS

- Wind gust
- Warning overview
- Thunderstorm
- Visibility
- Cumulonimbus
- Cloud base
- Freezing rain



## Top menu

*Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4***

*Km/NM Sketch **Layers** Search*

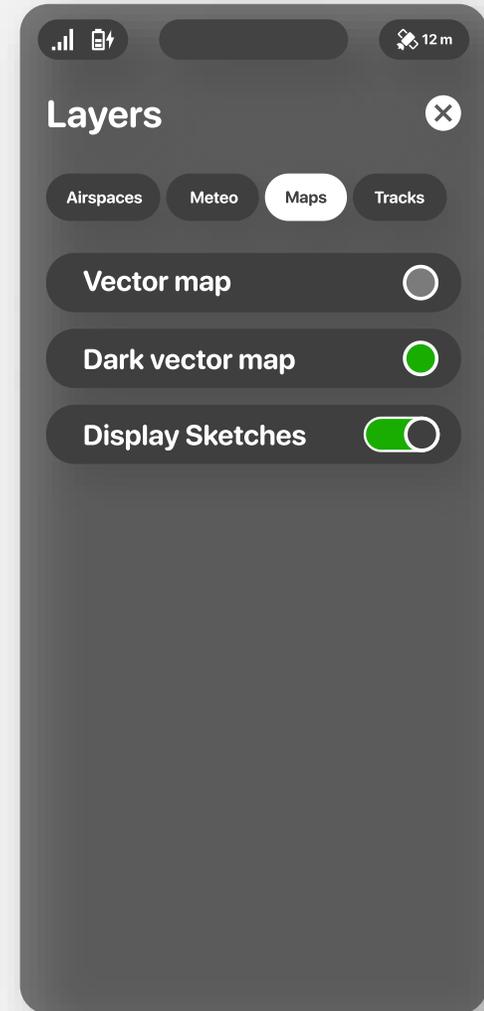
*Airspaces Meteo **Maps** Tracks*

By selecting the 'Maps' layer, the user can enable or disable the visibility of the following layers:

Vector map

Dark vector map

Display sketches



# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4**

Km/NM Sketch **Layers** Search

Airspaces Meteo Maps **Tracks**

From the 'Tracks' menu, the user can enable or disable the visibility of the following layers:

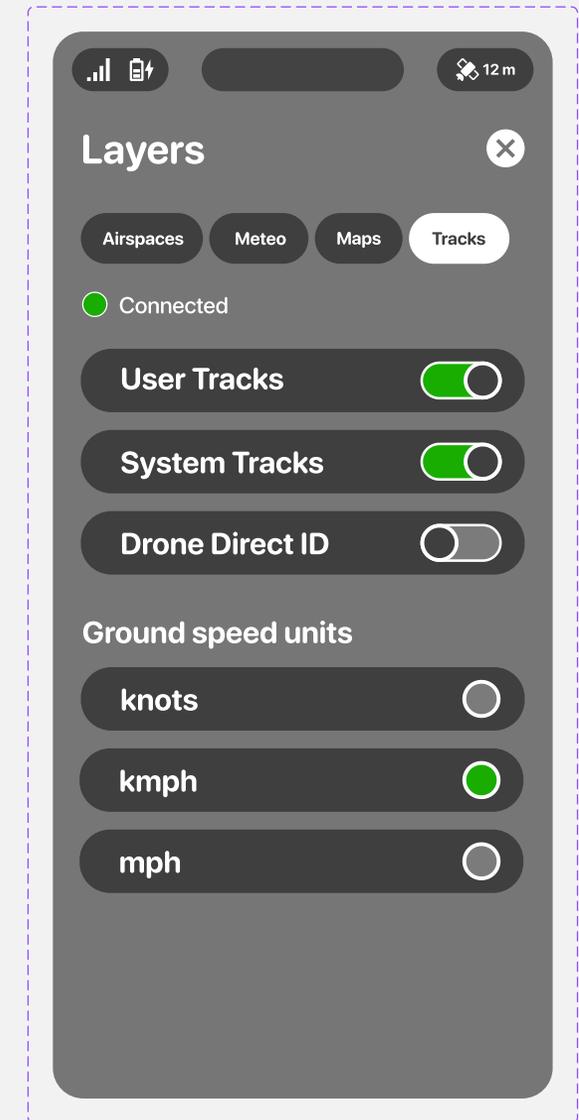
User tracks

System tracks

Drone direct ID

Ground speed units

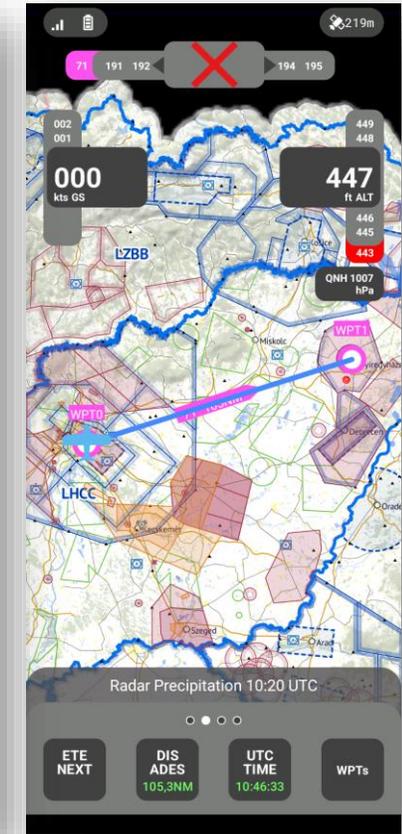
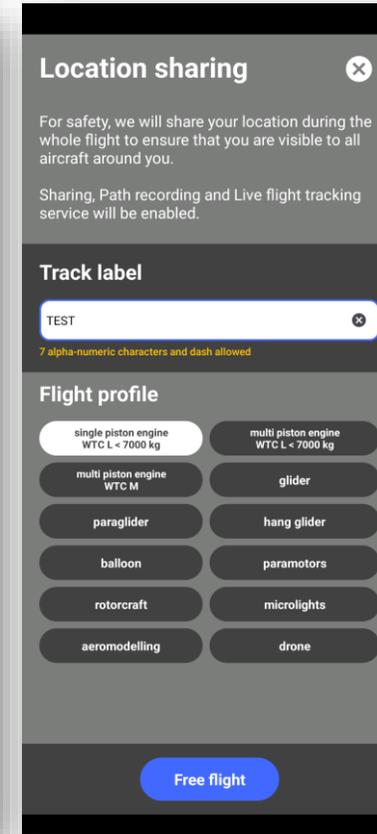
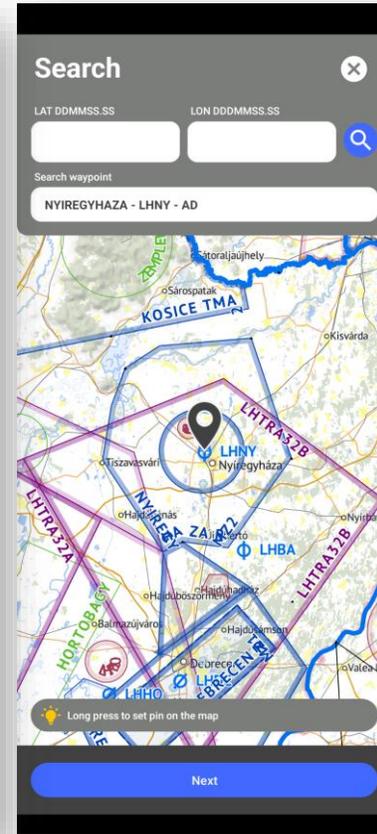
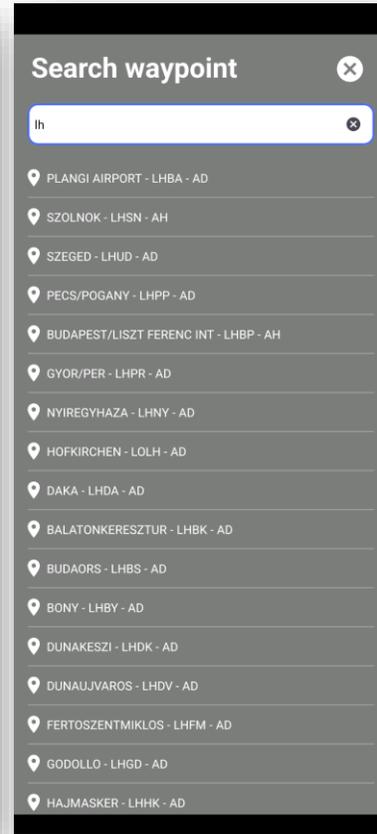
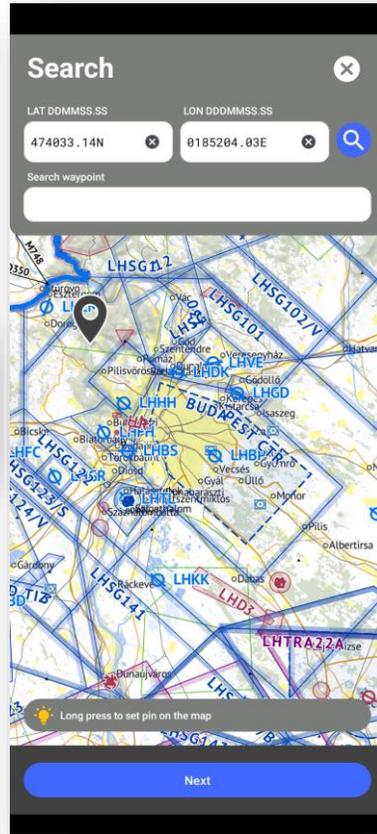
- knots
- kmph
- mph



# Top menu

Top Menu 1 Top Menu 2 Top Menu 3 **Top Menu 4**

Km/NM Sketch Layers **Search**



'Map search' is available from the upper menu, by clicking on the 'Search' button.

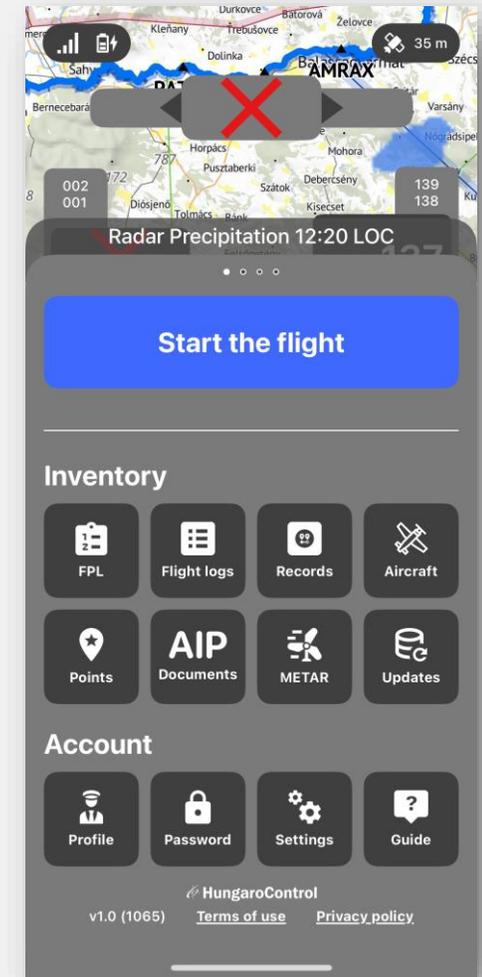
The user can search by coordinates or by waypoint name. When the user enters the first letters of the desired waypoint, the application offers the available waypoints starting with the same letters and the user can select the appropriate one. After selecting the desired waypoint, the user can click the 'Start' button and then initiate a flight by entering the track label, selecting the flight profile and clicking the 'Direct to' button.

# ONBOARDING

Start screen Login screen Main screen Moving map **Menu**

The lower menu area can be accessed by dragging the top menu bar upwards. It has two main sections:

Top menu /  
**Inventory** and  
**Account**.

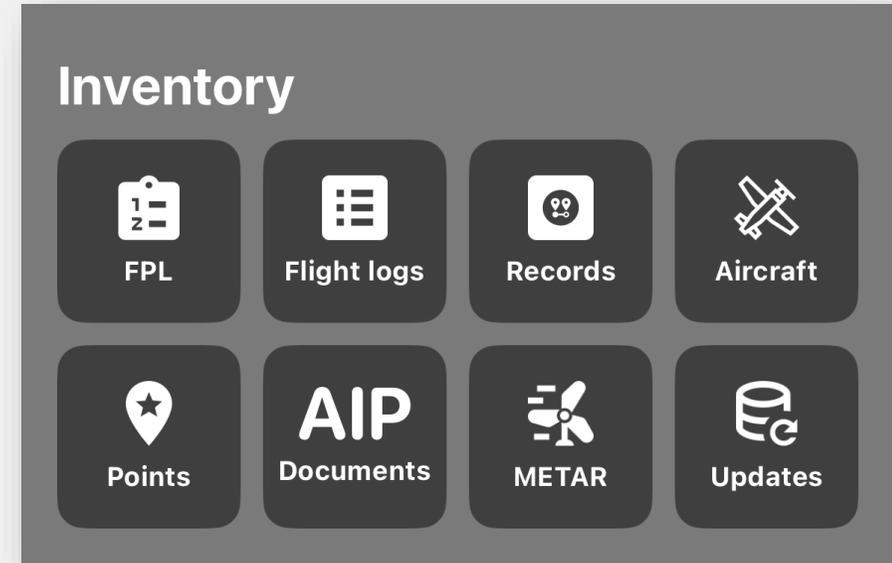


# ONBOARDING

Start screen Login screen Main screen Moving map **Menu**

The **inventory** contains the following elements:

1. **FPL**: handling of FPL
2. **Flight logs**: flight list saved in NetBriefing
3. **Records**: flight records containing the GPX flights on device/cloud
4. **Aircraft**: list of aircrafts created in NetBriefing or application.
5. **Points**: coordinates recorded by the user
6. **AIP Documents**: pan-European AIP, available for download in pdf format for the following countries, civil and military
  1. (Afghanistan (OA), Albania (LA), Algeria (DA), Armenia (UD), ASECNA (AS), Austria (LO), Azerbaijan (UB), Belgium & G.D. of Luxembourg (EB/EL), Bosnia/Herzegovina (LQ), Bulgaria (LB), Cape Verde (GV),Croatia (LD), Cyprus (LC), Czech Republic (LK), Denmark (EK), Egypt(HE), Estonia (EE), Faeroe Islands (XX), Finland (EF), France (Incl. Monaco) (LF), Georgia (UG),Germany (ED), German Military (ET), Greece (LG), Greenland (BG), Hungary (LH), Hungary Military (LH), Iceland (BI), Iraq (OR), Ireland (EI), Israel (LL),Italy(LI), ItalyMilitary (LI), Jordan (OJ), Kazakhstan (UA), Kyrgyz Republic (UC), Latvia (EV), Lebanon (OL), Libya (HL), Lithuania (EY), Malta (LM), Moldova (LU), Morocco (GM), Netherlands (EH), Netherlands Military (EH), NorthMacedonia (LW), Norway (EN), Philippines (RP), Poland (EP), Poland Military (EP), Portugal (LP), Romania (LR), Saudi Arabia (OE), Serbia / Montenegro (LY), Slovak Republic (LZ), Slovenia (LJ), Spain (LE), Sweden (ES), Switzerland (LS), Syria (OS), Türkiye (LT), Ukraine (UK), United Kingdom (EG), Uzbekistan (UT))
7. **METAR**: METAR data for the following airports
  1. (BKPR, EPKK, EPKT, EPWA, LATI, LBBG, LBGO, LBPB, LBSF, LBWN, LDDU, LDOS, LDPL,
  2. LDRI, LDSP, LDZA, LDZD, LGAD, LGKL, LGKO, LGLM, LGSA, LGSM, LGTS, LHBP, LHDC, LHKE, LHPA, LHPP, LHPR, LHSM, LHSN, LJLJ, LJMB, LKMT, LKPR, LOWG, LOWI, LOWL, LOWS, LOWW, LQBK, LQMO, LQSA, LQTZ, LRAR, LRBM, LRCL, LROD, LROP, LRSB, LRSM, LRTR, LWOH, LWSK, LYBE, LYBT, LYKV, LYNI, LYPG, LYTV, LYVR, LZIB, LZKZ, LZTT).
8. **Updates**: availability of databases.



# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

Selecting the 'Flight Plans' from the lower menu will display the list of the available FPLs. The user can view the current and the cancelled flight plans, or can create a new flight plan.

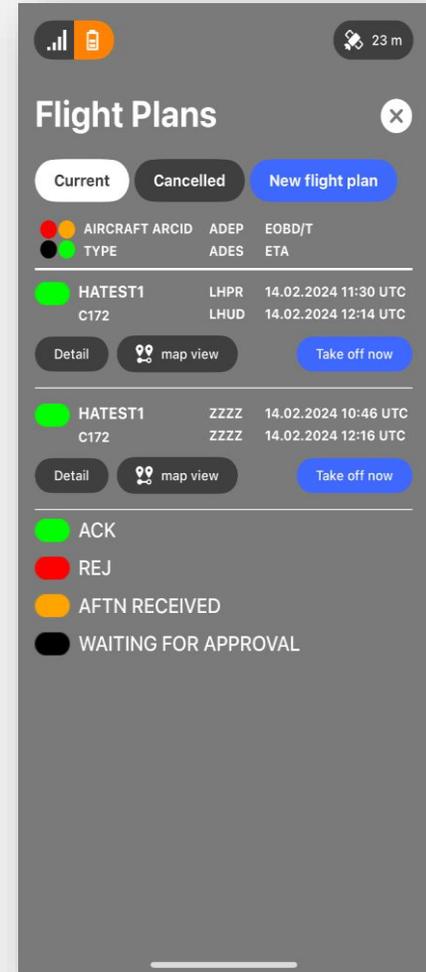
The status of the FPLs coloured as following:

**Green:** ACKNOWLEDGED received from ARO. FPL was processed and answered.

**Red:** CANCELED or REJECTED from ARO. FPL was rejected with reason from ARO, or CANCELED was ACKNOWLEDGED.

**Orange:** ATFM received. ATFM Flight Progress messages that are sent and received by ETFMS.

**Black:** WAITING for APPROVAL. FPL sent to ARO, but no answer yet.

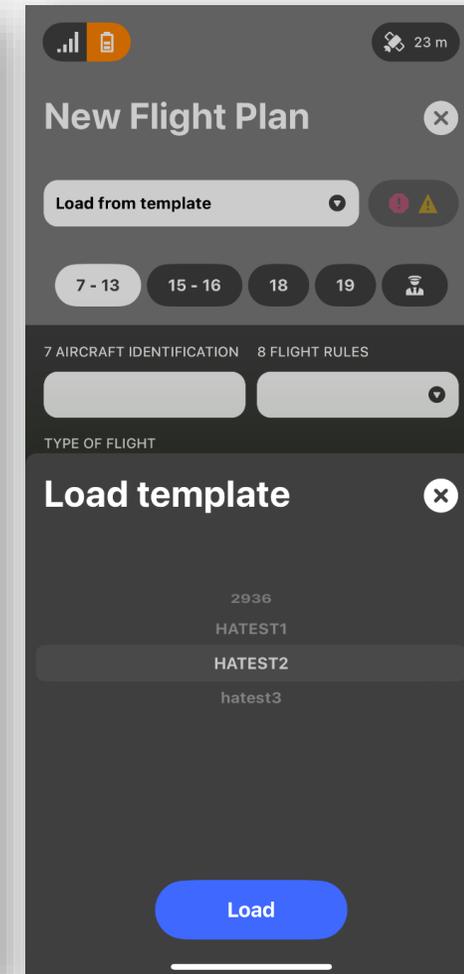
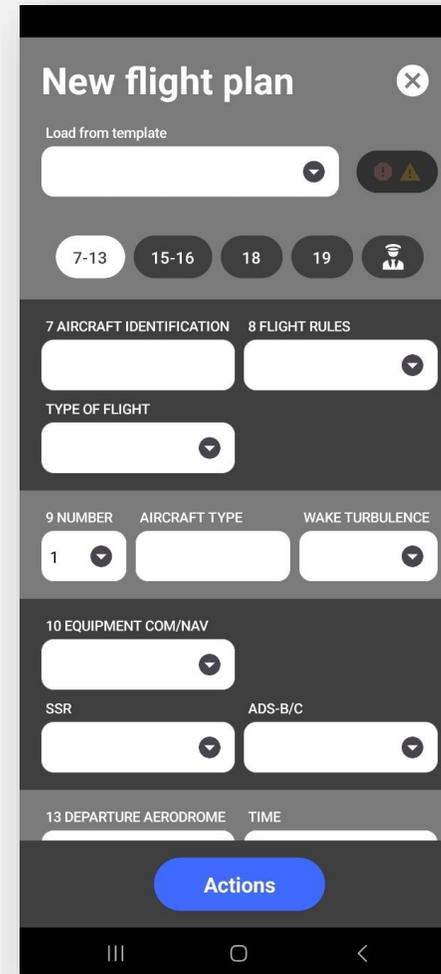


# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

Selecting the 'New flight plan' button will open the ICAO flight plan form.

By clicking on the arrow below the '**Load from template**' text, the list of the previously saved flight plans will open and the user can select the desired one.



# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

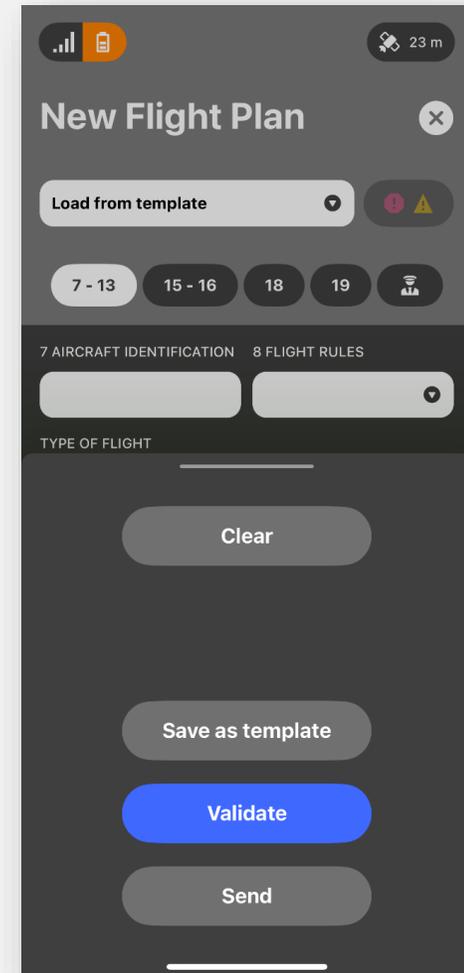
**ACTIONS** button with the following functionalities:

**Clear:** empty the FPL form

**Save as template:** Saving the actual FPL for later reuse.

**Validate:** Validating the FPL. Result can be “FPL is valid” or “FPL Invalid”. In case failed, please check the validation response summary for further details.

**Send:** Send the FPL to ARO for processing.



# Inventory

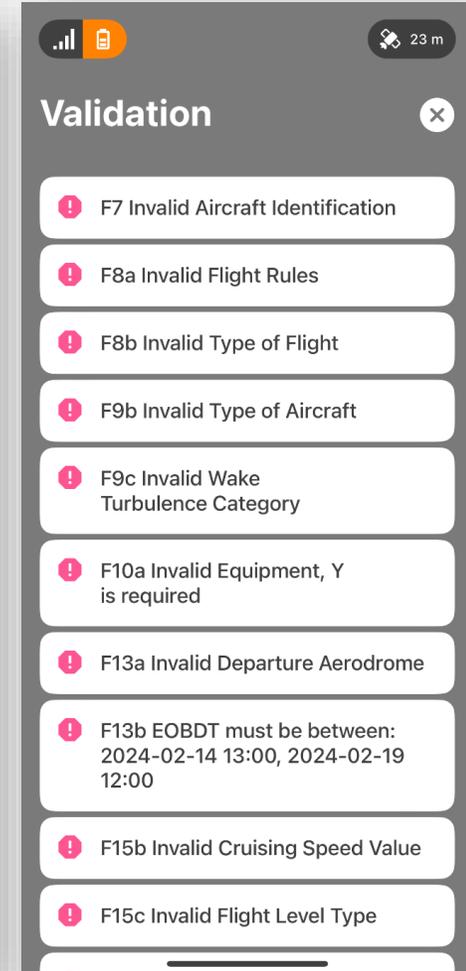
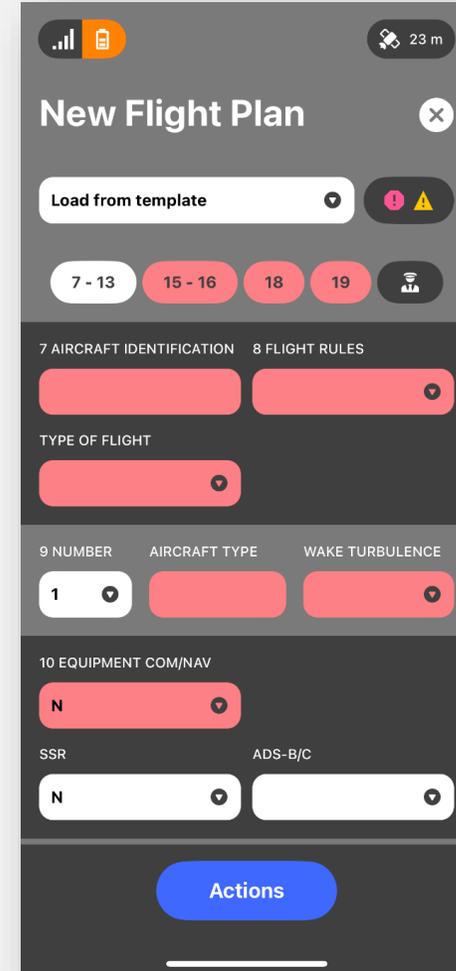
FPL *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

Top right button with  is the **validation response** summary.

It contains the validation error response for the FPL.

By selecting can be seen the detailed response for each failed field.

Mandatory fields included.



# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

The numbered buttons show the FPL fields from 7-13, 15-16, 18 and 19.

The pilot button is not mandatory.

**New flight plan** [Close]

Load from template [Dropdown] [Info] [Warning]

7-13 15-16 18 19 [Pilot]

7 AIRCRAFT IDENTIFICATION [Text] 8 FLIGHT RULES [Dropdown]

TYPE OF FLIGHT [Dropdown]

9 NUMBER [Dropdown] AIRCRAFT TYPE [Text] WAKE TURBULENCE [Dropdown]

10 EQUIPMENT COM/NAV [Dropdown]

SSR [Dropdown] ADS-B/C [Dropdown]

13 DEPARTURE AERODROME [Text] TIME [Text]

**Actions**

**New flight plan** [Close]

Load from template [Dropdown] [Info] [Warning]

7-13 15-16 18 19 [Pilot]

15 CRUISING SPEED [Dropdown] [Text]

LEVEL [Dropdown] [Text]

ROUTE [Text]

16 DESTINATION AERODROME... [Text] TOTAL EET HR.MIN [Dropdown]

ALTN AERODROME [Text] 2ND ALTN AERODROME [Text]

**Actions**

**New flight plan** [Close]

Load from template [Dropdown] [Info] [Warning]

7-13 15-16 18 19 [Pilot]

18 OTHER INFORMATION [Text Area: RMK/PHONE 0036301234567 OPR/]

DAY OF FLIGHT [Text]

**Actions**

# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

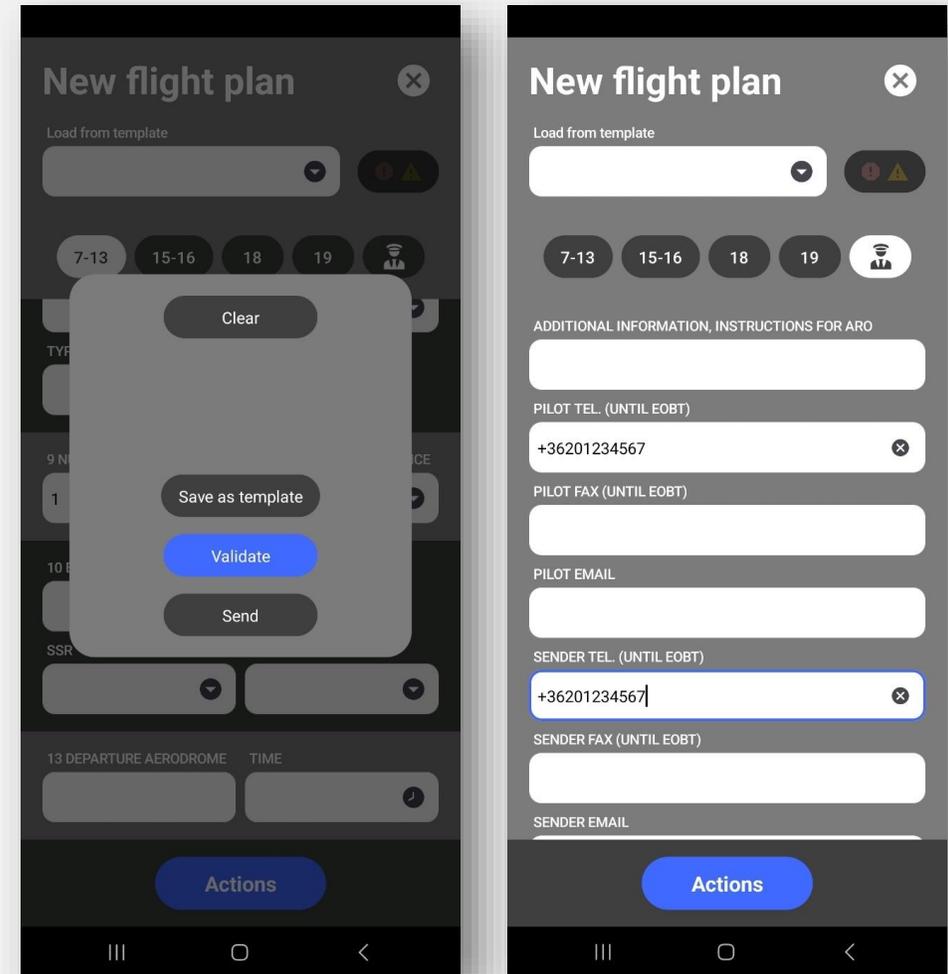
Once the user has completed the FPL, they should click on the 'Actions' button. A new menu will open with the following items:

**Clear:** the user can clear the text boxes of the FPL.

**Save as Template:** the user can save the flight plan as a template for future use.

**Validate:** the application checks the FPL against to ICAO FPL rules and indicates if there are any diversions.

**Send:** the user can send the Flight Plan.

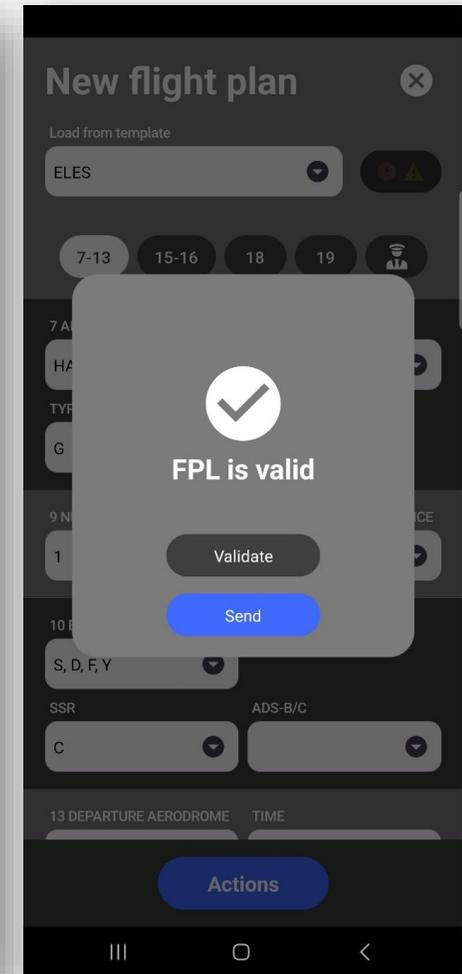
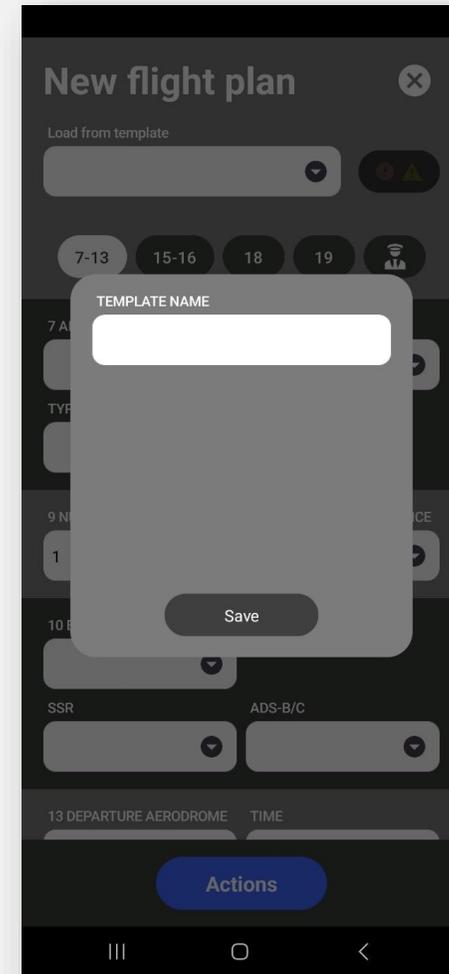


# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

When the user clicks on the 'Save as template' button, they can save the created FPL by giving a name and clicking on the 'save' button.

When the 'Validate' button is clicked, the application checks the FPL against the ICAO FPL rules. If it does not find any deviations, it sends an 'FPL is valid' message. The user can then send his FPL by clicking the 'Send' button.



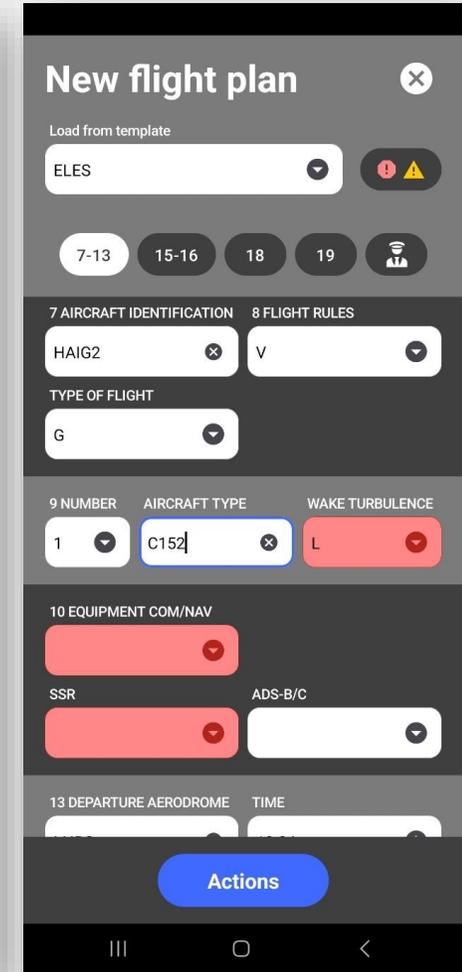
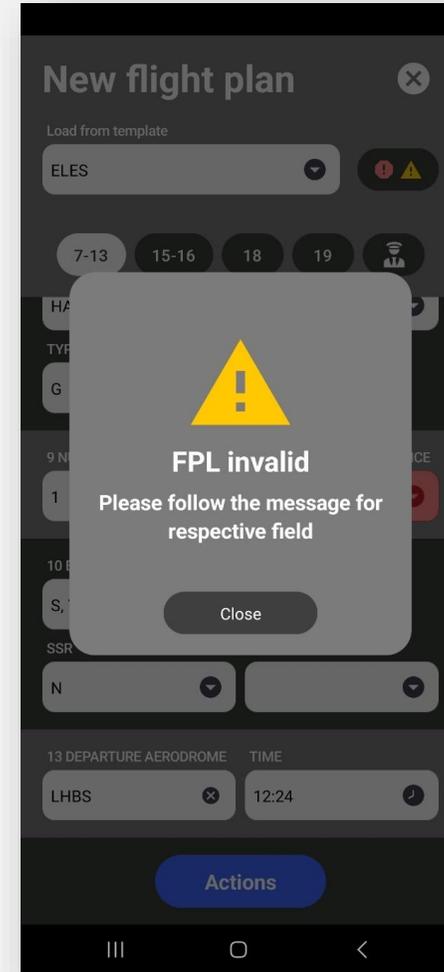
# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

If the application detects any diversification, it sends an 'FPL invalid' message.

The problems found are highlighted in red.

Once the user has corrected the relevant fields, the flight plan can be validated again.



# Inventory

FPL *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

How to prepare a flight plan

The fields shall be filled as follows:

7. **Aircraft identification:** registration letters or the company designator followed by the flight number which must be entered.
8.
  - a. **Flight rules:** must be selected from the dropdown menu
  - b. **Type of flight:** must be from the dropdown menu

New flight plan

Load from template

7-13 15-16 18 19

7 AIRCRAFT IDENTIFICATION 8 FLIGHT RULES

TYPE OF FLIGHT

V=VFR  
I=IFR  
Z=VFR -> IFR  
Y=IFR -> VFR

9 NUMBER AIRCRAFT TYPE

1

10 EQUIPMENT COM/NAV

SSR ADS-B/C

13 DEPARTURE AERODROME TIME

Actions

New flight plan

Load from template

7-13 15-16 18 19

7 AIRCRAFT IDENTIFICATION 8 FLIGHT RULES

TYPE OF FLIGHT

S=Scheduled  
N=Non-Scheduled  
G=General Aviation  
M=Military  
X=Other

9 NUMBER AIRCRAFT TYPE

1

10 EQUIPMENT COM/NAV

SSR ADS-B/C

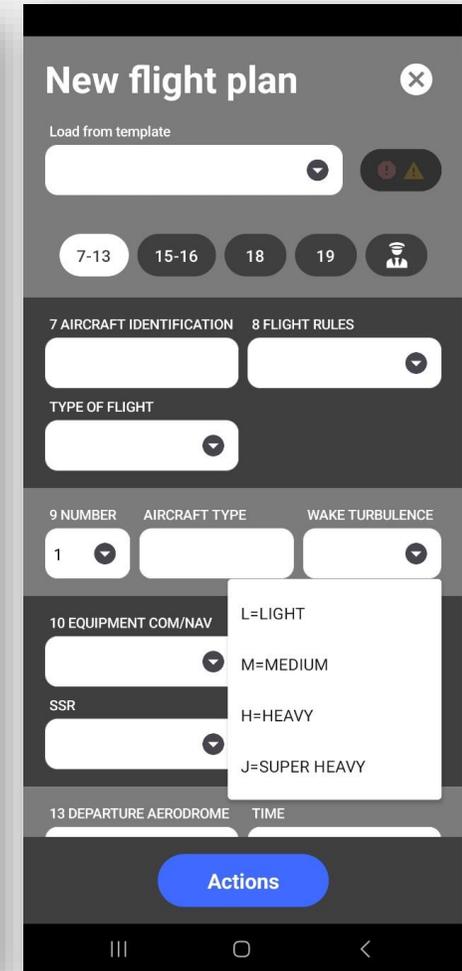
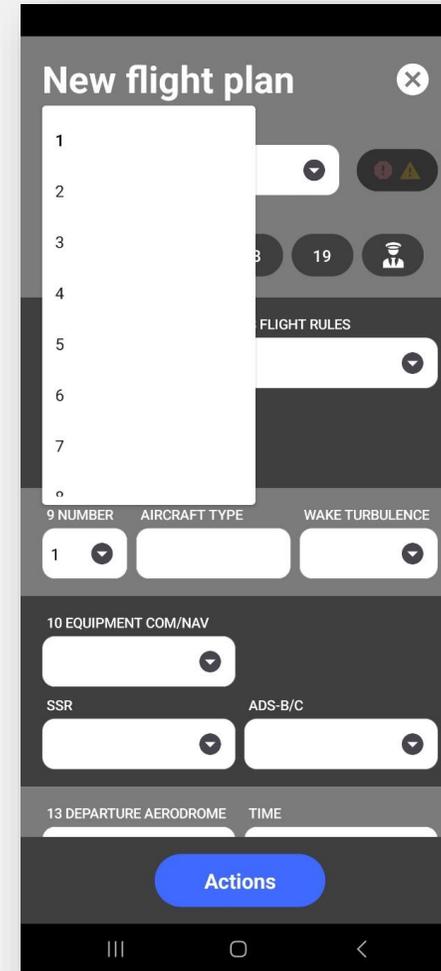
13 DEPARTURE AERODROME TIME

Actions

# Inventory

FPL *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

9.
  - a. **Number:** Insert number of aircraft, if more than one (1 or 2 characters) followed by type of aircraft (2 to 4 characters).
  - b. **Aircraft type:** must use ICAO standard codes.
  - c. **Wake turbulence:** must be selected from the dropdown menu.

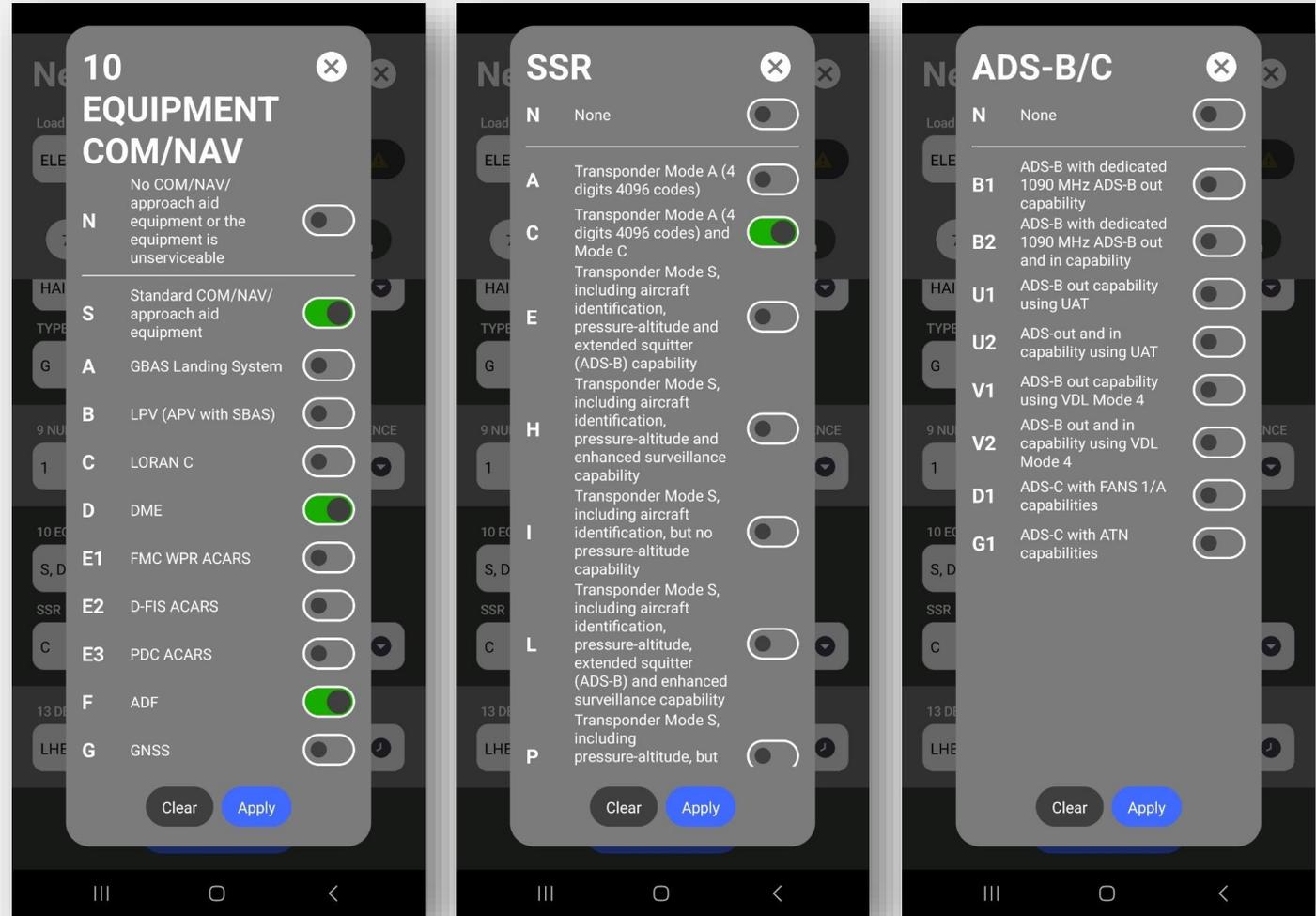


# Inventory

**FPL** Flight Logs Records Aircraft Points AIP Documents METAR Updates

- 10.
  - a. **Equipment COM/NAV**: the aircraft relevant equipment(s) shall be marked.
  - b. **SSR**: the aircraft relevant equipment(s) shall be marked.
  - c. **ADS-B/C**: the aircraft relevant equipment(s) shall be marked.

The configuration can be accepted by clicking the 'Apply' button.  
Click the 'Clear' button to return to the default settings.



# Inventory

FPL Flight Logs Records Aircraft Points AIP Documents METAR Updates

13.

- a. **Departure aerodrome:** the ICAO code of the planned departure airport must be entered.
- b. **Time:** the corresponding values can be configured by selecting the hour field.

The configured values can be accepted by clicking the 'OK' button. Clicking 'Cancel' restores the default values.

15. **Cruising speed:**

- a. The user can select the unit (km/h, knots or Mach) in which the speed is to be entered.
- b. The values must be entered according to the selected cruising speed unit.

15. **Level:**

- a. The user can select the planned cruising level from the dropdown list.
- b. The values must be entered according to the selected level.

New flight plan

Load from template

ELES

7-13 15-16 18 19

TYPE OF FLIGHT

N

9 NUMBER AIRCRAFT TYPE WAKE TURBULENCE

1

10 COMM/NAV/APP

SSR ADS-B/C

13 DEPARTURE AERODROME TIME

Actions

New flight plan

Load from template

ELES

7-13 15-16 18 19

15 CRUISING SPEED

N 0090

K (km/h) 025

N (Kt)

M (Mach) 0/N0090A020 0A025

REMETESZOLO LHFH/N0090A020 TSEPEL

16 DESTINATION AERODRO... TOTAL EET HR.MIN

LHBS 00:28

ALTN AERODROME 2ND ALTN AERODROME

LHBP

Actions

New flight plan

Load from template

ELES

7-13 15-16 18 19

15 CRUISING SPEED

N 0090

A 025

F 0/N0090A020 0A025

S 0A020 TSEPEL

A

M

VFR 00:28

ALTN AERODROME 2ND ALTN AERODROME

LHBP

Actions

# Inventory

FPL *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

15. **Route:** must be entered in accordance with the ICAO rules

16.

- a. **Destination aerodrome:** the ICAO code of the planned departure airport must be entered.
- b. **TOTAL EET HR.MIN:** the corresponding values can be configured by selecting the hour field and its value from the clock, then selecting the minute field and its values from the clock. The configured values can be accepted by clicking the 'OK' button. Clicking 'Cancel' restores the default values.
- c. **Altn aerodrome:** the ICAO code of the planned departure airport.
- d. **2<sup>nd</sup> altn aerodrome:** the ICAO code of the planned departure airport.

18.

- a. **Other information:** enter all other additional, important or helpful information. (**RMK/PHONE 00... and OPR/.. Are mandatory**)
- b. **Day of flight:** can be selected from the pop-up calendar.

The screenshot shows the 'New flight plan' screen with a dark theme. At the top, there's a title bar with a close button. Below it, a 'Load from template' section has a dropdown menu and a toggle switch. A date selector shows '7-13', '15-16', '18', and '19' with a user icon. The '15 CRUISING SPEED' section has two input fields for speed and level, each with a dropdown arrow. Below that is a 'ROUTE' section with a large text input field. The '16 DESTINATION AERODROME' section has an input field. To its right is a 'TOTAL EET HR.MIN' section with a clock interface. Below these are 'ALTN AERODROME' and '2ND ALTN AERODROME' input fields. At the bottom is a blue 'Actions' button.

The screenshot shows the 'New flight plan' screen with a dark theme. It features a '18 OTHER INFORMATION' section with a text input field containing 'RMK/PHONE 0036301234567 OPR/' and a close button. Below it is a 'DAY OF FLIGHT' section with a calendar icon. At the bottom is a blue 'Actions' button.

# Inventory

**FPL** *Flight Logs Records Aircraft Points AIP Documents METAR Updates*

- 19.
- a. **Endurance**: the fuel endurance must be entered in hour and minutes.
  - b. **Persons on board**: the total number of people on board must be entered.
  - c. **Emergency radio**: the aircraft relevant equipment(s) shall be marked.
  - d. **Survival equipment**: the aircraft relevant equipment(s) shall be marked.
  - e. **Jackets**: the aircraft relevant equipment(s) shall be marked.
  - f. **Dinghies**: the aircraft relevant equipment(s) shall be marked.
  - g. **Aircraft colour marking**: color of aircraft and significant markings must be entered.
  - h. **Remarks**: any other remarks regarding survival equipment must be entered.
  - i. **Pilot in command**: name of the pilot in command must be entered.

On the last page of the flight plan additional information can be added.

**New flight plan** [X]

Load from template  
ELES [v] [⚠]

7-13 15-16 18 19 [📶]

19 ENDURANCE PERSONS ON BOARD  
0249 [X] 2 [X]

EMERGENCY RADIO  
UHF [U] VHF [V] ELT [E]

SURVIVAL EQUIP... POLAR [ ] DESERT [ ]  
MARITIME [ ] JUNGLE [ ]

JACKETS LIGHT [ ] FLUORES [ ]  
UHF [ ] VHF [ ]

DINGHIES NUMBER [ ] CAPACITY [ ]  
COVER COLOUR [ ]

AIRCRAFT COLOUR AND MARKINGS  
WHITE AND BLUE [X]

REMARKS [ ]

PILOT IN COMMAND [ ]

Actions

**New flight plan** [X]

Load from template  
ELES [v] [⚠]

7-13 15-16 18 19 [📶]

ADDITIONAL INFORMATION, INSTRUCTIONS FOR ARO  
[ ]

PILOT TEL. (UNTIL EOBT)  
[ ]

PILOT FAX (UNTIL EOBT)  
[ ]

PILOT EMAIL  
[ ]

SENDER TEL. (UNTIL EOBT)  
[ ]

SENDER FAX (UNTIL EOBT)  
[ ]

SENDER EMAIL  
[ ]

Actions

# Inventory

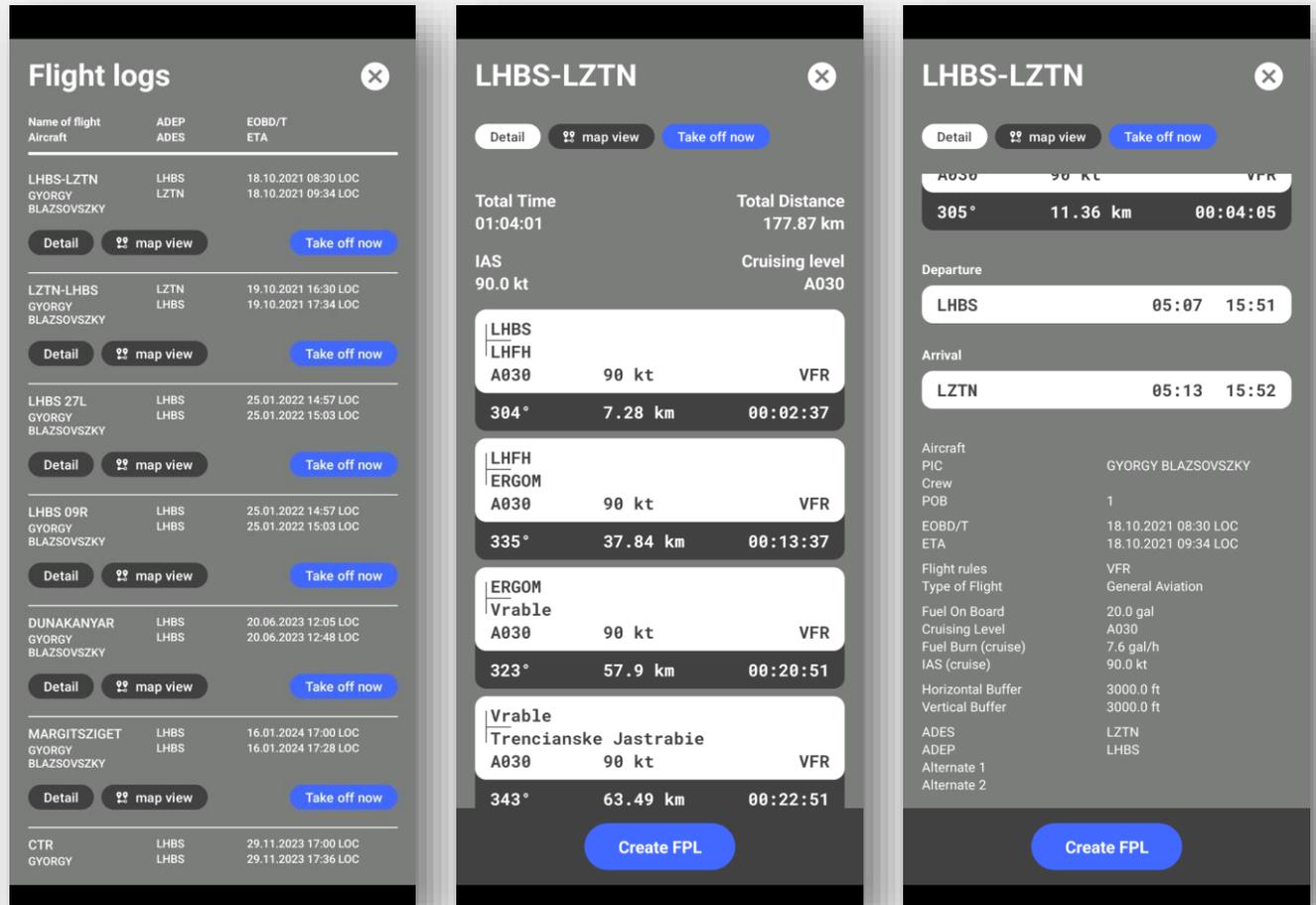
FPL **Flight Logs** Records Aircraft Points AIP Documents METAR Updates

Open the flight Logs menu and select the desired one by selecting the detail button, e.g.: LHBS-LZTN. Summary of the flight is displayed as Total time, Total distance, planned IAS and planned cruising Level.

Below the summary can be seen for each leg with the following details:

- Altitude,
- Speed,
- Heading,
- Distance and
- Time.

Bottom of the flight log details the FPL related information is visible. Departure Airport with the calculated Sunrise time. Arrival Airport with the calculated Sunset time.



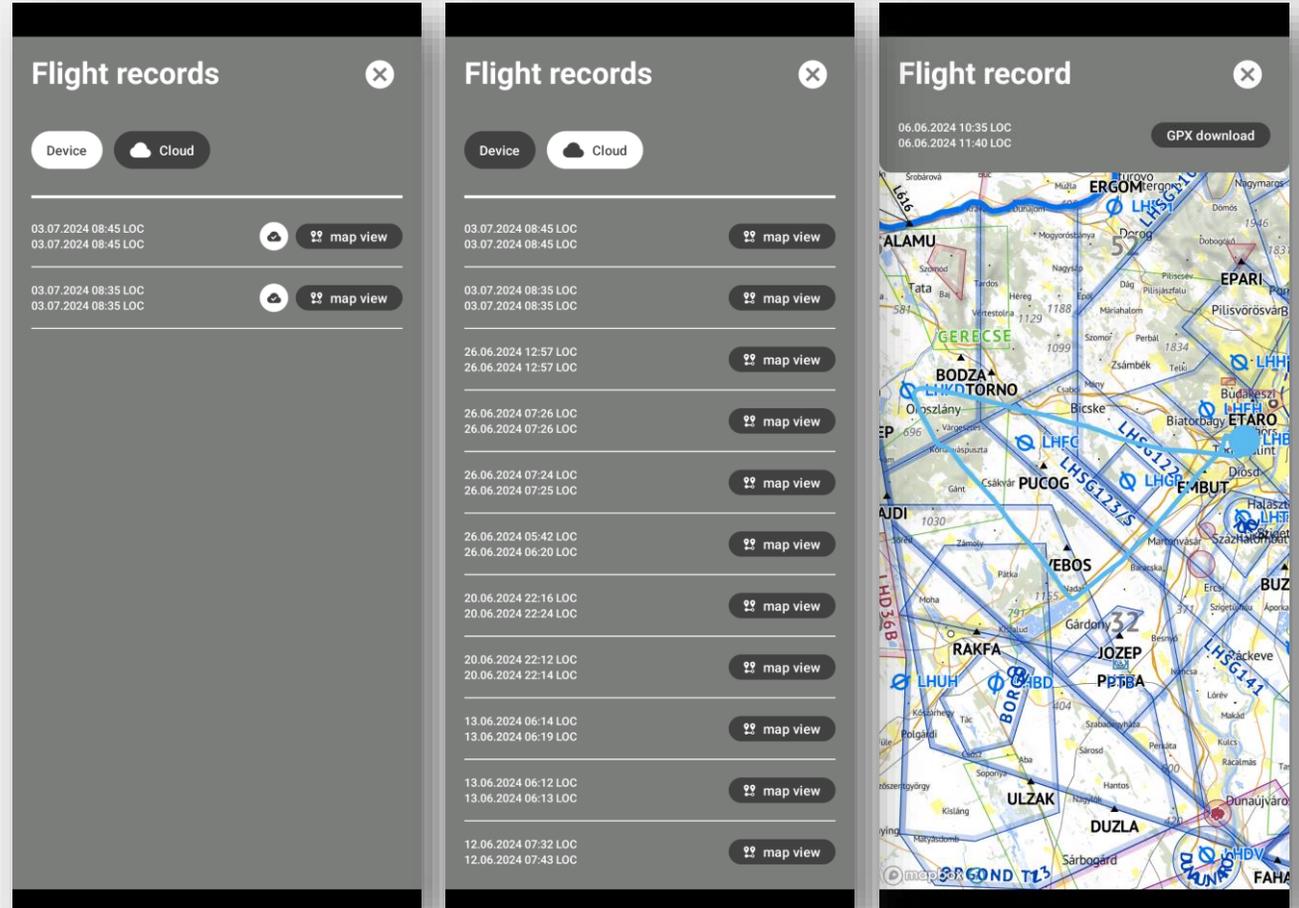
# Inventory

FPL Flight Logs **Records** Aircraft Points AIP Documents METAR Updates

Synchronization required to match the logs recorded on the device with the logs recorded in the cloud.

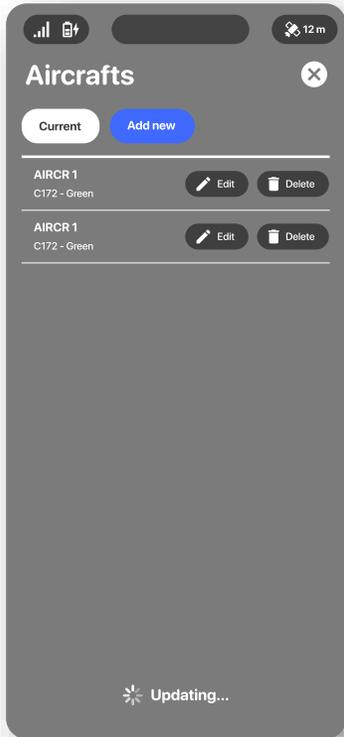
The logs can be downloaded in \*.gpx format and can also be viewed on the device.

If the user logs out, the data that has not been synchronized will be lost!

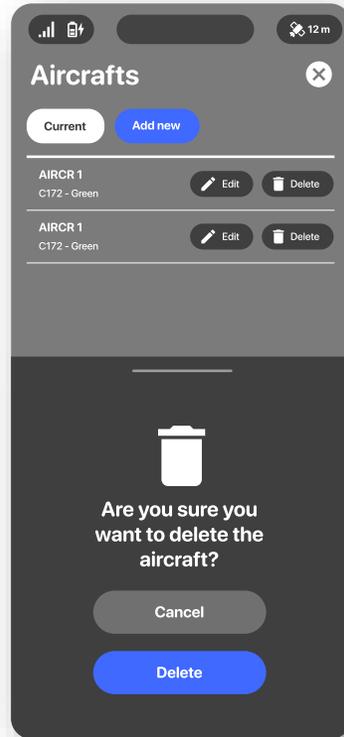


# Inventory

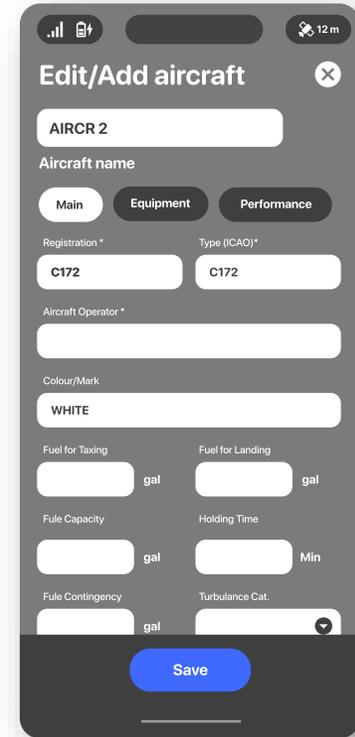
FPL Flight Logs Records **Aircraft** Points AIP Documents METAR Updates



By selecting the Aircraft menu, the user can open the list of the previously created aircraft. A new aircraft can be created both in NetBriefing and also in the application by clicking on the 'Add new' button.



A previously created aircraft can be deleted by selecting the 'delete' button.  
**A deleted aircraft can not be restored.**



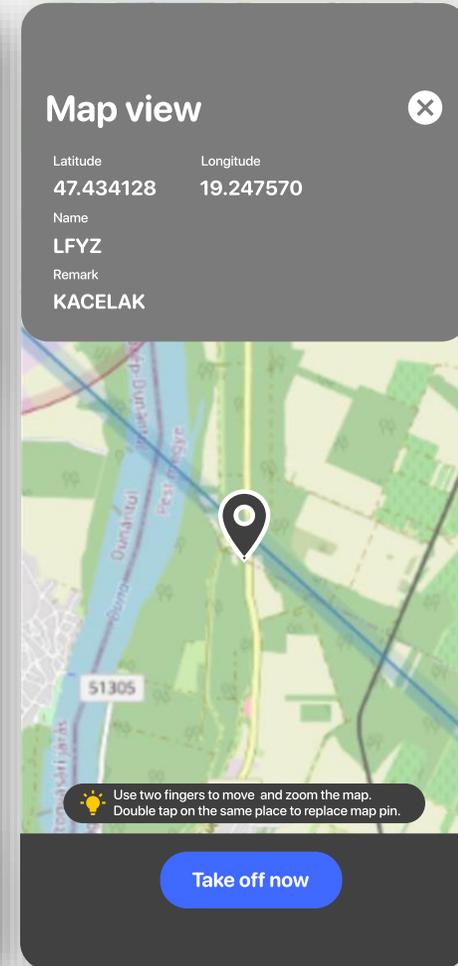
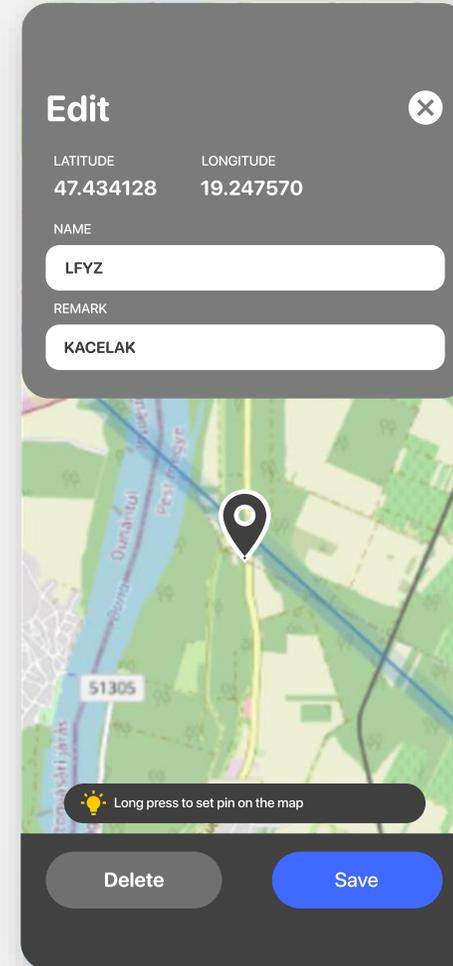
To create a new aircraft or edit an existing one, the user must fill in the mandatory text fields. When the 'Save' button is clicked, the application checks that all the text boxes have been filled in correctly and sends a warning text if there are any errors. The aircraft cannot be saved until all errors have been corrected. The incorrect entries are highlighted in **red**.

# Inventory

FPL Flight Logs Records Aircraft **Points** AIP Documents METAR Updates

A previously created user point can be modified by clicking on the 'Edit' button and the changes must be saved by clicking on the 'Save' button.

By selecting 'Map view' the user can view the selected User point on and its features on the map.



# Inventory

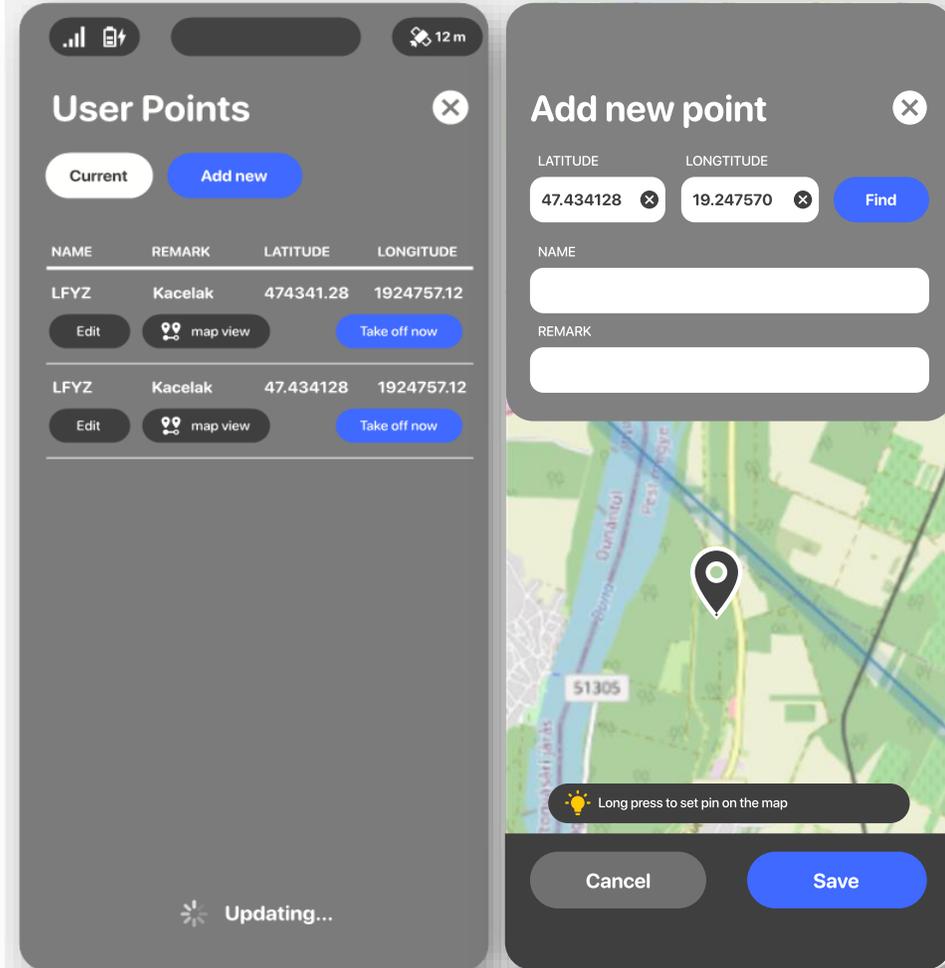
FPL Flight Logs Records Aircraft **Points** AIP Documents METAR Updates

The user can define and store own coordinates. The list of the currently available points is displayed. A new user point can be added by clicking on the 'Add new' button. The available user points can be viewed on the map by clicking on the 'Map view' button and also edited by clicking on the 'Edit' button of the respective user point.

The user can initiate a direct flight to the selected user point by clicking on the 'Take off now' button.

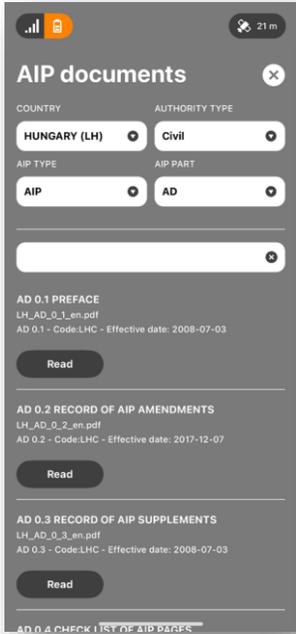
The new points can either be added by defining the coordinates, or by a long pressing on the map.

A relevant name must be added and also a remark can also be defined. The newly created user point must be saved by pressing the 'Save' button.

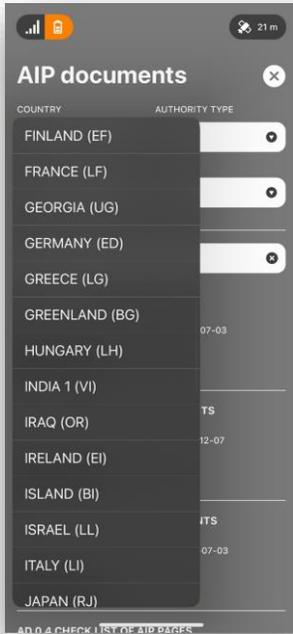


# Inventory

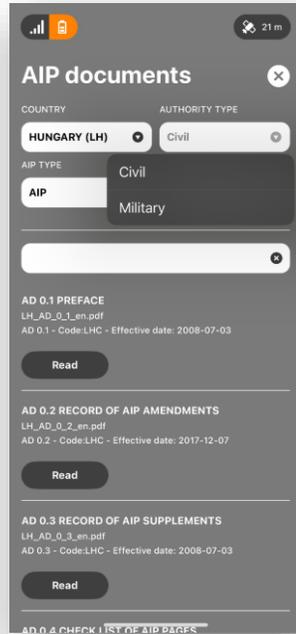
FPL Flight Logs Records Aircraft Points **AIP Documents** METAR Updates



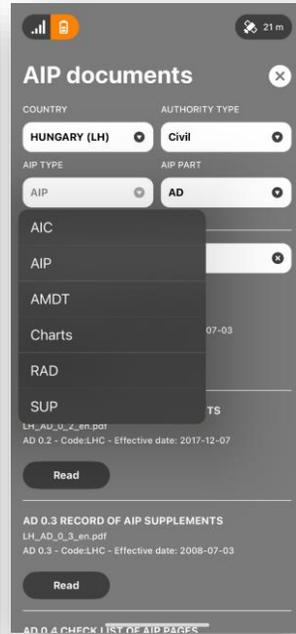
Opening screen by default.



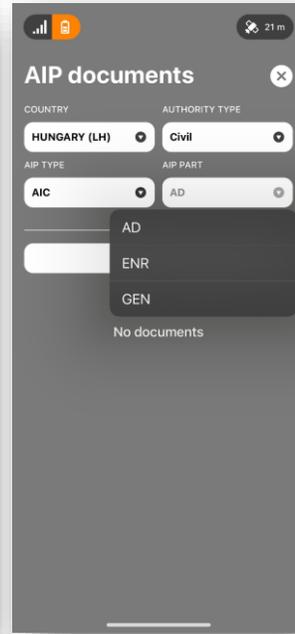
User may filter the AIP documents by **country**.



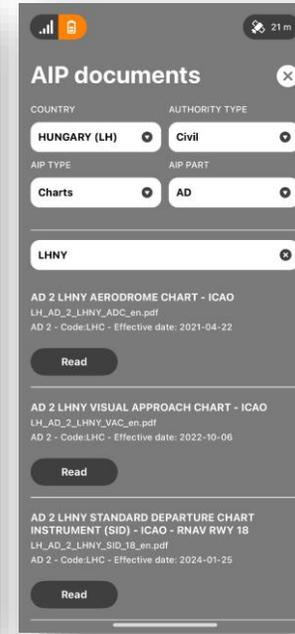
User may filter the AIP documents by **authority type**.



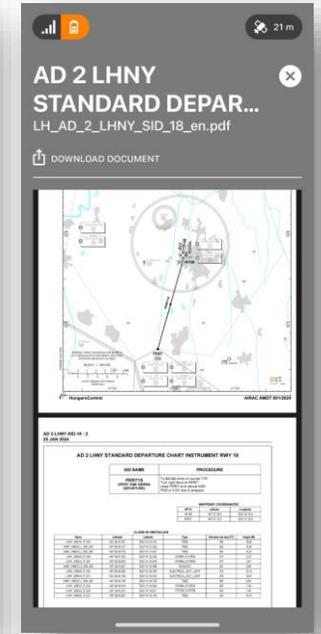
User may filter the AIP documents by **AIP type**.



User may filter the AIP documents by **AIP part**.



User may filter the AIP documents by **aerodrome**.



Selected document is available for **download**.

This feature is used to obtain date of last AIP Documents, download available AIP Documents from this catalogue on demand.

# Inventory

FPL Flight Logs Records Aircraft Points AIP Documents **METAR** Updates

User may search by FIR prefix (2 characters) or by airport (4 characters). METAR is updated in every 30 minutes.

## METAR is available for the following airports:

BKPR, EPKK, EPKT, EPWA, LATI, LBBG, LBGO, LBDP, LBSF, LBWN, LDDU, LDOS, LDPL, LDRI, LDSP, LDZA, LDZD, LGAD, LGKL, LGKO, LGLM, LGSA, LGSM, LGTS, LHBP, LHDC, LHKE, LHPA, LHPP, LHPR, LHSM, LHSN, LJLJ, LJMB, LKMT, LKPR, LOWG, LOWI, LOWL, LOWS, LOWW, LQBK, LQMO, LQSA, LQTZ, LRAR, LRBM, LRCL, LROD, LROP, LRSB, LRSM, LRTR, LWOH, LWSK, LYBE, LYBT, LYKV, LYNI, LYPG, LYTV, LYVR, LZIB, LZKZ, LZTT



# Inventory

FPL Flight Logs Records Aircraft Points AIP Documents METAR **Updates**

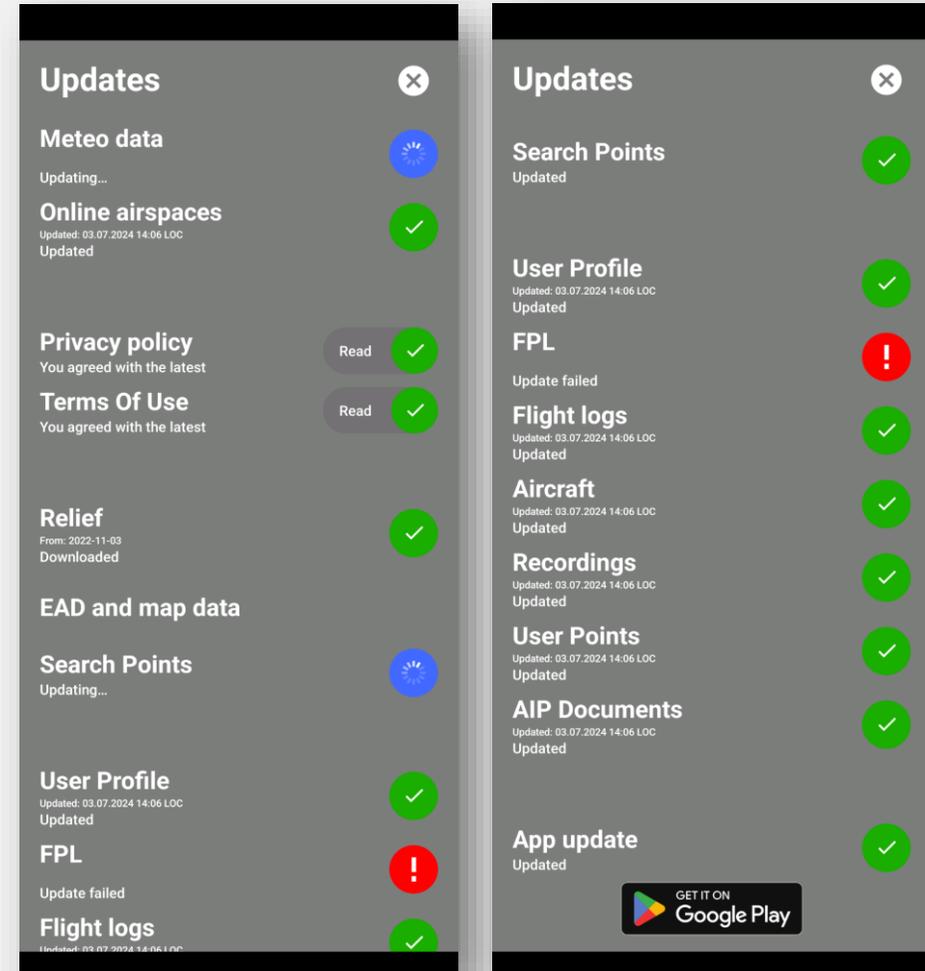
After entering the Online Mode after successful login using Login Screen, Data Status and Update View is presented.

This view lists different categories of data, fetches date of most recent version of any particular data category and shows the user date of data version available in his/her VFR Mobile Application (that had been already downloaded in the past) and date of most recent version of each data category available from the NetBriefing system.

Outdated data categories are highlighted with „!“.

User can either choose to update data or to skip the update (in case of not suitable internet connection or another reason).

If the update is selected, application proceeds with the actual update procedure.

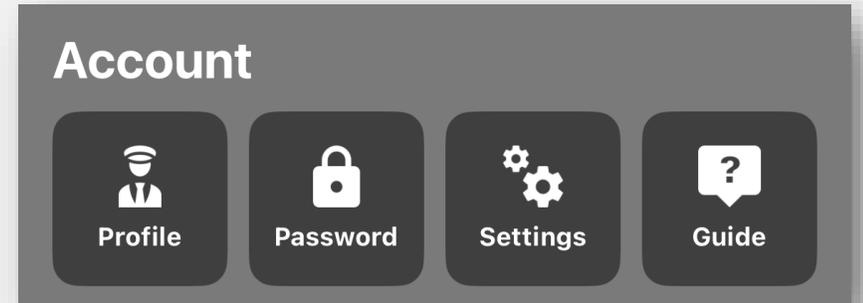


# ONBOARDING

*Start screen Login screen Main screen Moving map* **Menu**

**Account** contains the following items:

1. Profile: NetBriefing profile.
2. Password: handling of password.
3. Settings: configuration of the main map.
4. Guide: user manual.



# ACCOUNT MENU

**Profile** *Password Settings Guide*

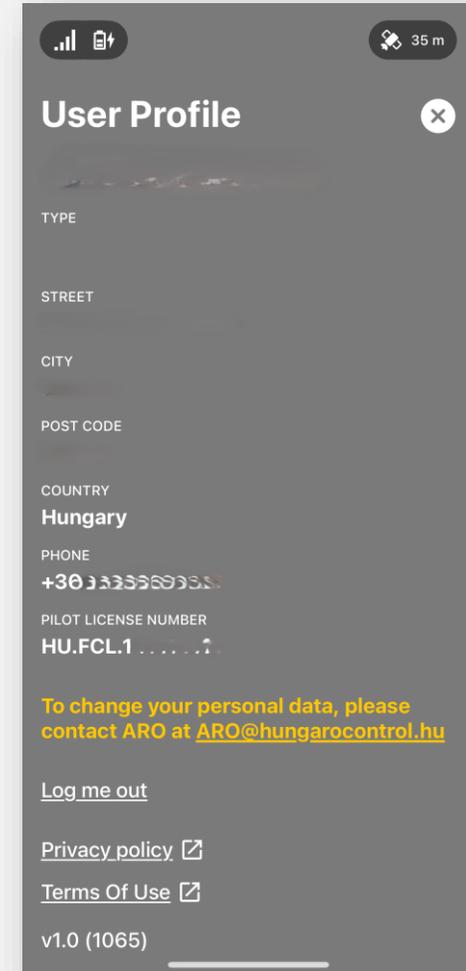
Contains data registered in NetBriefing.

If the data needs to be changed, a request should be sent to [netbriefing@hungarocontrol.hu](mailto:netbriefing@hungarocontrol.hu).

The sms messages will be sent to the phone number shown here.

The 'Terms of Use' and 'Privacy Policy' documents are available in English and also in Hungarian.

The current software version is displayed in the bottom line.



# ACCOUNT MENU

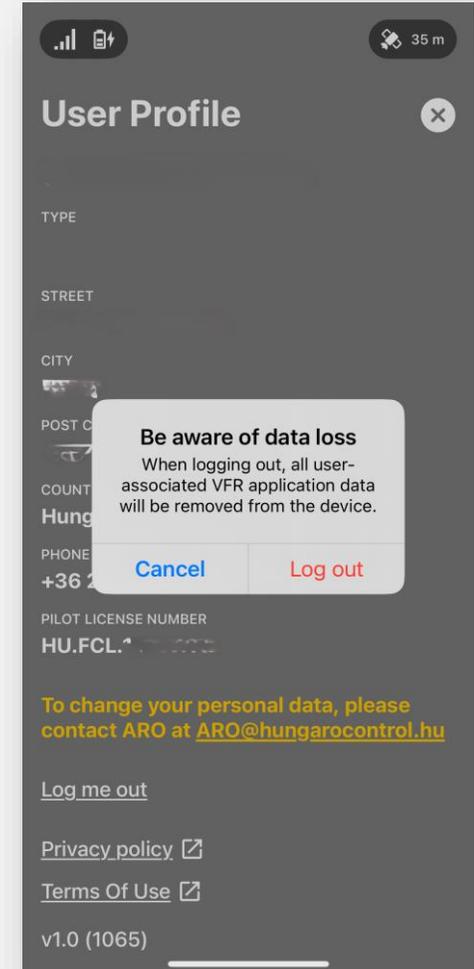
[Profile](#) [Password](#) [Settings](#) [Guide](#)

## Log me out

If the user clicks on 'Log me out', the message 'Be aware of data loss' will appear.

**The unsynchronized data will be lost.**

The status of the data can be checked in the 'Records' menu:  
the data in the 'Cloud' menu are synchronized and uploaded to the cloud.



# ACCOUNT MENU

Profile **Password** Settings Guide

The password requirements must be met.  
Messages are sent to the user's email address.

ENTER OLD PASSWORD

ENTER NEW PASSWORD

RETYPE NEW PASSWORD

Make sure the password is

- at least 8 characters long
- includes uppercase
- lowercase letters
- numbers
- symbols.

Only the following symbols can be used to create the password: @, +, ! and /.

Save

# ACCOUNT MENU

Profile Password **Settings** Guide

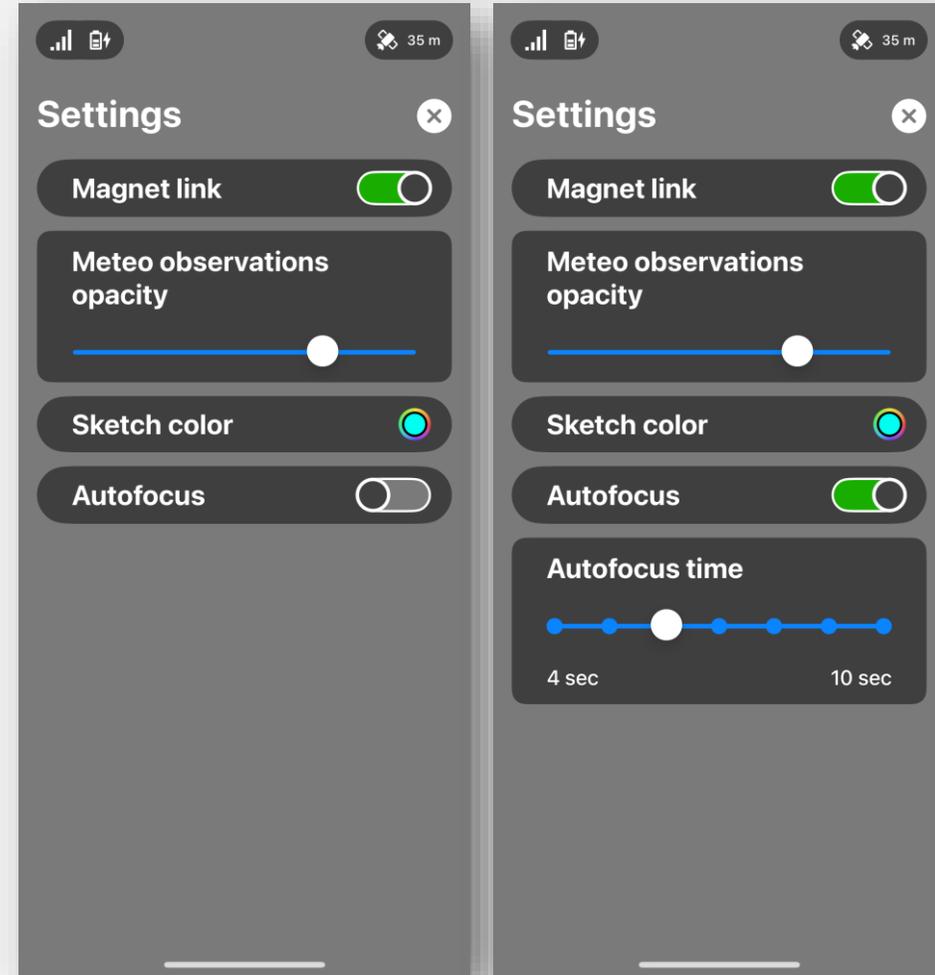
The following menu options are available:

**Magnet link:** planned flight track/FPL

**METEO observation opacity:** opacity of the METEO layer on the main screen

**Sketch color:** the default color of sketch pen in the 'Sketch' menu.

**Autofocus:** can be toggled on and off. The autofocus time is the time it takes for the application to switch back to its own icon if the map is moved by the user.

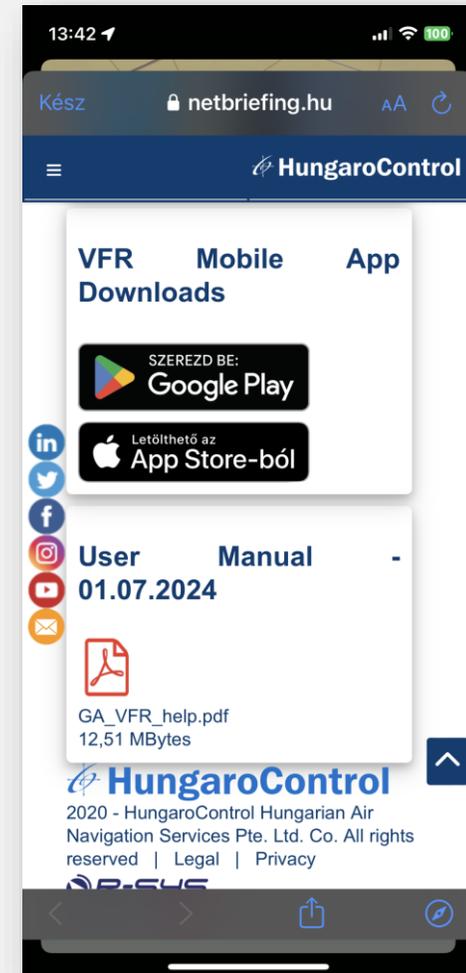


# ACCOUNT MENU

## Profile Password Settings **Guide**

The Guide button links to the NetBriefing - GA VFR webpage, where the user manual is available for download on the following URL:

[https://www.netbriefing.hu/Dokumentumok/GA\\_VFR\\_help.pdf](https://www.netbriefing.hu/Dokumentumok/GA_VFR_help.pdf)





**HungaroControl**

