FLY is FUN

Starter Guide

www.flyisfun.com

Summary

1.	We	come	4
2.	Har	dware and OS configuration – requirement	5
3.	Stai	ting FLY is FUN	6
3	.1.	Trial version screen	6
3	.2.	Warning info and disclaimer screens	7
4.	Fou	r main screens	8
4	.1.	Topographic map screen – Moving map screen	9
4	.2.	Terrain elevation screen	11
4	.3.	Two set of EFIS screens	13
5.	Imp	orting and installing data	14
5	.1.	Main menu	14
5	.2.	Downloads menu	15
5	.3.	Download data of the World navigation database	16
5	.4.	Download topographic map and upload it	
	5.4	1. Topograhic maps downloaded and installed from FLY IS FUN server	
	5.4	2. Creation and installation of own customized maps	19
5	.5.	Selecting a topographical map	20
5	.6.	Download elevation data - terrain map	22
5	.7.	Checking configuration	25
5	.8.	GPS status	26
6.	Ter	rain elevation screen	27
7	Mo	ving man - Topographical man screen	20
<i>.</i> , 7	1	Cotting used with the gesture	20
/	.1. 71	1 Cotting information on itoms and or airspace	20
	7.1.	Indecking the map geoming IN and OUT moving around	
	/.1.	2. Onlocking the map, zooning in and OOT, moving around	
8.	Set	ing a "Direct to" and "Route" planning	
8	.1.	Direct to	35
	8.1	1. Selecting an existing point / item on the map	35
	8.1	2. Selecting any point / item on the map	36
	8.1	3. Selecting a point in the database	
8	.2.	Route planning	39
	8.2	1. Creating a route on the map	40
	8.2	2. Adding waypoint, editing and modifying a route - Waypoint order	43
	8.2	3. Creating a route using the database	47

	8.2.4.	Advanced functions related to the route50
	8.2.5.	Importing a route53
9.	Navigat	e55
10	Routes	and "direct to" 58
10.	Noutes	
11.	Logbool	k – Flight recording –Tracks
	11.1.1.	Logbook – " <i>Edit"</i> option61
	11.1.2.	Logbook Export, flight track export62
12.	Importi	ng waypoints and PDF files63
1	2.1. Imp	orting items63
1	2.2. Usir	ng VACs and PDF files67
13.	Using yo	our own maps
14.	Custom	izing FLY is FUN69
15	Morod	
15.	wore de	etali/U

1. Welcome

Congratulation and thank you for your interest in "FLY is FUN".

FLY is FUN is an extremely powerful moving map application with hundred of advanced features.

FLY is FUN allows route planning, provides GPS and ILS approach, simulation of VOR, NDB, DME, Marker beacons, RNAV navigation and Marker beacons warnings, this without ILS/VOR/NDB/RNAV equipment on board.

Using FLY is FUN, in just a few minutes you will be able preparing navigation and using it.

Aim of this starter Guide is helping you discovering the 4 main screens of FLY is FUN and how to use it:

- How to configure FLY is FUN:
 - Selecting your favorite measure units;
 - Importing elements of the World navigation database;
 - Importing terrain elevation information;
 - Importing and selecting a topographic map.
- How to plan and modify a route:
 - Using items of the world navigation database;
 - Using the moving map;
 - Distance calculation, flying time and consummation evaluation.
- How to navigate with FLY is FUN:
 - Using a route;
 - Using Waypoints.
- How to follow-up after a fly
 - Logbook;
 - Trace exportation.

This guide is only a starter guide.

FLY is FUN has many other functions that you will discovers exploring the application. All functionalities are explained and described in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11.

Have Fun and Fly Safe!

2. Hardware and OS configuration – requirement

All Android devices are not equal

To use FLY is FUN it is highly recommended having a device (smartphone or tablet) with at least

- Processor Quad core
- RAM 2Go or more
- GPS A-GPS. If you device has also GLONASS, position, especially the altitude is much more precise. Also the initial fix time is shorter.
- Sensors Accelerometer, compass, barometer. If you want to calculate the density altitude, you need the temperature and humidity sensor
- Android 2.3 and above

3. Starting FLY is FUN

Starting FLY is FUN, you will get the following screens

3.1. Trial version screen



first time



later on during trial

FLY is FUN requested years of development.

The free version / trial version of FLY is FUN allows discovering what FLY is FUN can offer.

Main limitations of the free version / trial version are that:

- After 10 minutes, application stop and the user is invited to start again the application
- Valid for 30 days

This allows you discovering FLY is FUN, prior purchasing the unlocker "FLY is FUN unlocker" on the play store. The unlocker remove here above limitations, making from FLY is FUN a full version.

3.2. Warning info and disclaimer screens





Disclaimer screen with status of navigation database, terrain data and maps

The warning and welcome screen (left) display:

- Alert message on GPS and various sensors that could be used, here "GPS warning".
- Storage advice. Google introduced lot of limitation with Android Kitkat 4.4 preventing usage of application from the SD card. This limitation, that doesn't apply with Android 4.2, 4.3 or 5.0, can be bypassed as described at the User guide.

Disclaimer screen and data status.

Data status concerns:

- World navigation database:
 - The world navigation database contain all information needed for IFR/VFR navigation items, reporting points, airport info, airspace ...
- Terrain data:
 - Terrain elevation data concern all information regarding elevation.
- Topographic maps:
 - Topographic maps is/are the map you will use as moving map.

Those data are regularly up-dated, or user dependent, that's why they are not embedded in the application. At first launch of FLY is FUN, any items of world navigation database, terrain data topographic maps have been installed. That's why "not found" message are displayed.

Green arrows \clubsuit are allowing getting selection criteria used for data download.

4. Four main screens

Having validated clicking on OK, and agreed with the disclaimer, FLY is FUN is launched!!!

FLY is FUN provide you with 4 main screens, which are available in portrait or in landscape mode.

To go from one screen to the other, you will need to **swipe rapidly with one finger placed on the center of the screen** from "right to left" or from "left to right".

For efficiency purposes, FLY is FUN use intensively multi-touch capacity allowed by Android.

Using FLY is FUN, you will see that:

- Short press or long press;
- Places were you are touching the screen;
- Way of swiping;
- Number of finger used (one finger, two fingers);
- ...

produce different results, calls various functions, acceding to most of functions with only one or 2 actions.

Initially, as FLY is FUN provide lot of possibilities, it could be surprising.

You need to train a little bit to become familiar and then it's just great!!!

4.1. Topographic map screen – Moving map screen

The moving map - topographic map screen display navigation items and airspace, route info and the aircraft on topographical map used in background.



First time you start FLY is FUN, world navigation database and topographical map are not installed.

As long data of the world navigation database won't be downloaded, airspace info, Waypoints info, reporting info, airport info.... won't be displayed. As long topographical map won't be downloaded and activated, background will remain grey.

In the above part of the screen, we see a vertical cut allowing displaying aircraft position above ground and regarding airspace.

In the central part of the screen in portrait mode, or in the right part of the screen in landscape mode, we see the aircraft above the topographical map.

As soon data will be downloaded, we will see all points, airspace information, navigation item, airport, ... As soon a topographical will be downloaded and activated, we will see the map in background and our position on it.

To use this screen will need to download and install:

- Data from the "world navigation database":
 - -> Main menu (short press on the compass rose) -> Downloads -> The World nav database.
- and
 - Topographical map:
 - -> Main menu (short press on the compass rose) -> Downloads -> Topographical map.

On this screen we have to, buttons that you can customize:

- 8 buttons on the left of the screen (landscape mode) and
 - 12 ...
- 12 buttons on the bottom of the screen (portrait mode)

To do modify or customize buttons -> Long press on top of the compass rose

On the screen, by default button are:

- GS Ground speed:
 - Knots could be changed for kilometers per hour.
 - ALT GPS Man See Level altitude:
 - Feet could be changed for meters.
- DME Distance to next Waypoints:
 - Nautical mile could be changed for kilometers.
- ET Estimated time to next Waypoints;
- ET Brawn button for estimated time to End of the route:
 - Short press on this button calls the route windows.
 - <u>ET</u> is underlined if a route is active
- UTC Zulu time;
- LOG Logbook data and elapsed time since departure:
 - Long press on this button calls logbook info.
- ACC ft. GPS accuracy;
 - Feet could be changed for meters.

Additional button displayed in portrait mode

- DME Brawn button for distance to End of the Route:
 - Nautical mile could be changed for kilometers;
 - Short press on this button calls the route windows.
 - DME is underlined if a route is active
 - ETA Brawn button for estimated time of Arrival:
 - Short press on this button calls the route windows.
 - <u>ETA</u> is underlined if a route is active
- SW1 Stop Watch chronometer;
- LT Local time.

We have then:

- Compass:
 - Short press on the compass rose calls main menu;
 - Long press on the compass rose calls customization screen.
- BRG Bearing of next Waypoints:
 - Magnetic data could be changed for geographic data.
- TRK Ground course:
 - Magnetic data could be changed for geographic data.
- Waypoint windows:
 - In this windows active route name and "direct to" waypoints are displayed;
 - Short press this button calls the navigation item database.
- Scale indication:
 - Miles could be replaced by kilometers.

Note: All buttons are customizable allowing displaying what the pilot like to see. To do modify or customize buttons **long press** on top of the compass rose.

4.2. Terrain elevation screen

Terrain elevation screen display the elevation of the aircraft above ground. Ground color vary according elevation AGL "Above Ground Level



First time you start FLY is FUN, terrain data have not downloaded. That's why Elevation screen is in blue and no information displayed.

As long terrain elevation data won't be downloaded, this screen will remain blue.

In the above part of the screen, we see a vertical cut allowing visualizing the position of the aircraft above ground and within airspace.

In the central part, in portrait mode, or in the right part, in landscape mode, we see the aircraft above the terrain.

As soon data will be downloaded, ground color will change according measured "AGL" Altitude above Ground Level.

To use this screen you need to download:

- Data from the "world navigation database";
- -> Main menu (short press on the compass rose) -> Downloads -> The World nav database and
- Terrain data;
 -> Main menu (short press on the compass rose) -> Downloads -> Terrain data manager

On the left and on the right side of the screen, in portrait mode, or on top and on the left of the screen, in landscape mode, you have buttons that you can modify and customize. To do modify or customize buttons *long press* on top of the compass rose By default button, for this screen, are

Left side

- DME Distance to next Waypoints
 - nautical mile could be changed for kilometers
- AGL GPS Altitude Above Ground Level
 - feet could be changed for meters
- LOG Logbook data and elapsed time since departure
 Long press on this button calls logbook info

Right side

- ET Estimated time to next Waypoints
- UTC Zulu time
- ACC ft. GPS accuracy
 - feet could be changed for meters

Then, we have

- a Compass.
 - o short press on the compass rose calls the main menu;
 - o long press on the top of compass rose calls customization screen
 - long press on the compass rose calls turning indicator calibration
- BRG Bearing to next Waypoints
 - magnetic data could be changed for geographic data
- TRK Ground course
 - magnetic data could be changed for geographic data
- Ground speed strips
 - knots could be changed for kilometers per hour
- Altitude strips in MSL Mean Sea Level GPS altitude
 feet could be changed for meters
- All button are fully customizable and could be changed via the customization screen
 - $\circ \quad$ long press on the top of compass rose calls customization screen

Selection of favorite measure units could be set via the preference menu

-> Main menu (short press on the compass rose) -> App Settings -> Preferences -> Units Select

- -> Distance and speed
- -> Strips and info box GS unit
- -> Strips and info box ALT unit
- -> Direction unit

->

4.3. Two set of EFIS screens

One set with 6 buttons EFIS screen





One set with 8 buttons EFIS screen



Note: All buttons are customizable allowing displaying what the pilot like to see.

To do modify or customize buttons -> *Long press* on top of the compass rose.

5. Importing and installing data

FLY is FUN being installed, to use it you need to import and to install data.

You need downloading:

- Data of the World navigation database;
- Terrain elevation information;
- Topographic map and activate it.

Before doing it make sure having a good Wi-Fi data connection. Data to download are hundreds of Mo...

Note: Call of selection criteria used to select data to import could be done directly from the Disclaimer screen using **green arrows**

5.1. Main menu

To call the main menu:

- **Short press** on the compass rose; Long press on the compass rose calls customization windows.



Main menu

Main menu choices

Navigate App Settings Flying settings Downloads Tools and Info Close

5.2. Downloads menu

- Main menu (short press on the compass rose) -> Downloads

Selecting Downloads calls a menu that pop-up. It allows choosing operation to perform:



Using green arrows from Disclaimer screen, you by-pass these steps, jumping directly to the selection critria od data to download



Green arrows

5.3. Download data of the World navigation database

Select the green

arrow on the Disclaimer screen

or

Main menu (short press on the compass rose) -> Downloads -> The World nav database.

 World nav 	database =
Cycle: 1505	
Effective date: 30.04.15	
Built: 144	
Airspaces and patter	ns 📝 EU Obstacles
Vavaids VPTs	
Airports 🖌 Helipor	ts
IFR TWPTs 🗸 VFR	rep. points
IFR Holding patterns	
Check country(s)	
Afghanistan	OA
Alaalia	PA PF
Alaska	PO PP
Albania	LA
Algeria	DA
Angolo -	
×	



Select the type of data you would like to import:

Selecting items type to download

- Airspace and patterns;
- European Obstacle;
- Navaids;
- Waypoints;
- Airports;
- Heliports;
- IFR turning Waypoints;
- VFR reporting points;
- IFR holding patterns.

Chose the country for which you need to download data.

Multiple selections are possible.

Warning if you whish downloading the whole world nav, make sure having several Giga-octets of free capacity available.

Downloading data could take hours, for example whole USA alone takes about 2 hours with a good connection.

We suggest you starting only with countries for which you really need the data.

If you fly VFR only, there is no need importing IFR data.

Once you are ready, start downloading the data pressing on the green arrows.



Download in progress

Data update follows AIRAC cycle.

Every month, a warning message, will invite you updating your data.

Update will be performed according the latest selection you did.

If you have already downloaded data from the World navigation database:

- Data of selected countries will be deleted before importing new data;
- Data of unselected countries, that were previously downloaded, won't be suppressed. But those data won't be updated to.

Be careful, amount of data to download could be huge. Downloading data could take hours.

Make sure having a reliable and fast connection, enough free space to store the data and that you device is well charged or connected.

5.4. Download topographic map and upload it

5.4.1. Topograhic maps downloaded and installed from FLY IS FUN server

Make sure your device is well connected to Internet

Select the green 🛛 🕹 arrow on the Disclaimer screen

or

+

Main menu (short press on the compass rose) -> Downloads -> Topographical map

A windows appear allowing selecting you requested map



Topographical map database

World map selected

As soon map(s) is(are) selected, you get prompted with the available space on your device and the requested space to download the map.

If you don't find a specific map of your own country, select the world map that cover the world.

Already installed maps are highlighted with their name in green.

Once map(s) is(are) selected, then initiate download and importation, validating on the green arrow.

Download start



Download in progress

Be careful, amount of data to download could be huge. Downloading data could take hours.

Make sure having a reliable and fast connection, enough free space to store the data and that you device is well charged or connected.

5.4.2. Creation and installation of own customized maps

With FLY IS FUN, pilots can use their own customized top maps. Only constraint those maps should be in "RMapSQlite" format as requested by FLY is FUN, with ".sqlitedb" file extension.

Several application on Windows, OSx, Linux, as SAS Planet, Mobac, Global Mapper,... are allowing generation maps using the appropriate "RMapSQlite" format. Data could come from online sources as well existing files that need to be transcoded.

Some more details are in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11

As soon you get your own customized topo map in "RMapSQlite" format, installing it is easy:

- Import on Android device the customized map, ex "customizedtopomap.sqlitedb"
- Than drag and drop "customizedtopomap.sqlitedb into « RMapSQlite » folder. This folder is within « Maps » folder and "Maps" folder is located into « GPS_IL_VOR » folder.

5.5. Selecting a topographical map

Once (the) map(s) has (have) been downloaded, if the background of the moving map topographical map screen remain grey, the screen will look as that:



Moving map - Topographical map screen without map

This will indicate that no map has yet been selected, or that the selected map doesn't cover the place where you are, shown by the GPS fix.

To select a map:

- "Long press" on the center of the moving map topographic map screen
 - A pop-up menu will appear,
 - o scroll down and select
 - -> Topographical map source

or

- Main menu -> App Settings -> Topographical map source



The windows "*select your map source*" display all available maps installed on the Android device, for FLY is FUN.

Select the map you like to use.

Once the map is selected, if it covers the area, where you are, and if you got the GPS position, then you should see it appearing in background of the moving map - topographical screen.



Moving map – Topographical map screen with map in background

5.6. Download elevation data - terrain map

Terrain elevation data are allowing calculating altitude above "natural" ground. Data concerning artificial obstacle are downloaded via the "World Nav database" as seen previously

The elevation data files are large and they are downloaded in 5x5 degrees blocks. Each 5x5 degrees rectangle requires approximately 72MB of memory and 250 MB during installation phase.

Prior performing the selection make sure your Internet connection is up and running.

Select the green arrow on the Disclaimer screen

Main menu (short press on the compass rose) -> Downloads -> Terrain data manager.

The worldwide map allows choosing the area



Long press on square select elevation data to download. Selected areas are then highlighted in yellow.



Long press on a square to select data "Yellow" = selected data to download

then Select green arrows to download them.



Long press on a square to select data "Yellow" = selected data to download

Terrain data manager

GPS

Restart application

Import OK :-)

J.

Add to list



Downloading process

Import done

Once data have been imported, application needs to be restarted

Calling back the worldwide terrain elevation map, areas which terrain elevation data are installed appears highlighted in green.



Green = installed terrain elevation data



Red = elevation data to suppress Yellow = Elevation data to download

To add add some more, long press on non-highlighted square. It will become yellow To delete some data and free up space, long press on green-highlighted square. It become red Selecting green arrows launch the operation.



Confirm requested data suppression

Downloading process

Importation done Restart requested

5.7. **Checking configuration**

Data being downloaded, restarting FLY is FUN, you should now get green messages in the data information part of Disclaimer screen:

found

- World navigation database: found _ found
- Terrain data:
- Topographical map: _



Disclaimer

All data being downloaded and installed, having agreed with the disclaimer message, the first screen you get is the terrain elevation screen

5.8. GPS status

To use FLY is FUN, you need active GPS, good signal and to get the position

GPS doesn't work indoor; GPS need clear sky view to get the "satellite signal. To get a GPS fix, the GPS need to be outside or at least close of a windows with clear sky view.



terrain elevation



Moving map - topographical map screen

"ACC" button display GPS accuracy.

- If the accuracy is good data displayed in ACC button are in green

If the GPS isn't activated, you need to do it via the standard setting of your Android device.

6. Terrain elevation screen

Terrain elevation screen display the elevation of the aircraft above ground. Ground color vary according elevation AGL "Above Ground Level

When data are installed and your GPS is on with a position, starting FLY is FUN, you should get "Terrain Elevation Screen" similar to this one, but with your own data in background



Terrain elevation screen

Terrain elevation colors depend of AGL aircraft altitude

- short press on AGL displays information on colors signification
 - Purple elevation above aircraft
 - Red aircraft AGL altitude is between 0 and 1 000 ft. AGL
 - o Green aircraft AGL altitude is more than 1 000 ft. AGL
 - o Blue no data available or zero elevation

If GPS is on with GPS fix:

- GPS status is displayed in ACC button :
 - green (good), yellow value (not so good), ...

In the above part of the screen, the vertical cut shows the aircraft positioned above ground and regarding airspace.

"+" and "-" button allows zooming in and out, you can as well doing it with 2 fingers

• Long press on "+" or "-" calls direct scale selection

Later on, while flying, you will see how colors change dynamically, following you altitude above ground...





FLY is FUN - Starter guide - V 19 01 16

7. Moving map - Topographical map screen

Moving map - topographical map screen display navigation items and airspace, route info and the aircraft above a map used in background.

Airspace and terrain elevation are also displayed in the upper part of the screen



Top map screen

Once the topographical map is displayed in background, you can easily use it.

7.1. Getting used with the gesture

Touching the screen produce various results depending "where" and "how" you touch the screen

7.1.1. Getting information on items and or airspace

Short pressing on any item or airspace displayed on the topographical map, or on the vertical cut call an info box related to the selected item or airspace.



displays airspace info



348 mag

Short press on airfield displays airfield info

7.1.1.1. Short press - Long press in the middle of the info box

Short press in the middle in the info box to close it

If nothing is done, info box close automatically after few second ٠

Long press in the middle of the info box to select the related item for "Direct to"

These, if the info box is related to any other item, than airspace,

7.1.1.2. Pressing on button of the info box

Short press on:

- TWR ATI button
 - Open a VHFs windows
- NAV2 button
 - Select this item as another "Direct to"
 - FLY is FUN allows you to have 2 (two) items selected for "*Direct to*" usage.
 Long press on direct to button allows switching from "Direct to Nav" to "Direct to Nav2".
- PDF button
 - Calls PDF file attached to the related item
 - If PDF file is installed and if a PDF reader is on the device





DBBB vac...

5 🖬 📶 📶 85% 🖬 21:59

Q A

pressing on radio info button displays further VHF info

How to install PDF files is described in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11

7.1.2. Unlocking the map, zooming IN and OUT, moving around

7.1.2.1. Unlocking the map

To "unlock" the map, just touch it with two (2) fingers.

7.1.2.2. Zooming IN and OUT



You can easily Zoom IN or Zoom OUT, that for you have several possibilities

- Using 2 fingers
 - If the north arrows isn't locked (*Long press* on it), you can as well rotate the map with your fingers
- Using "+" or "-" button
 - Short press or long press on of them
- Scrolling rapidly vertically a long the border of the screen
 - o down up: Zoom In
 - top down: zoom out

Note: Depending of zoom level information, items can appear or bee hidden. This allows to display only relevant information.

Screen Customization and button setting could be done via Customize screen

- Long press on the compass rose to call it

More details in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11

7.1.2.3. Moving around on the map



As soon the map is unlocked, with one (1) finger you can move it in any direction



moving around with one finger

back to the aircraft

Note: As soon the aircraft is out of view, a **blue bubble** shows the direction of the aircraft. **Short press** on the **blue bubble** sends back to the aircraft

LFP

8. Setting a "Direct to" and "Route" planning

This chapter explains:

- How to set a "Direct to":
 - Selecting a point to fly directly to.
- How to create a Route:
 - Creating a route;
 - Modifying a route.

Getting around, you will discover many other nice features of FLY is FUN:

- Effect of "*long press*" or "*short press*";
- Info message;
- Alerts,
- Impact of pressing on "North" arrows;
- Switching from a "Direct to Nav1" point to a "Direct to Nav2" point;
- Switching from a "route" to a "Direct to" point and then coming back the route;
- ...

Many functions are not presented in this starter guide, but well documented in FLY is FUN "User guide" http://funair.cz/forum/viewforum.php?f=11

8.1. Direct to

An important and basic function is the ability to select points to fly directly to "Direct to"

It could be:

- Point on the map;
- Nearest airport;
- Item of the database;
- ...

There are several ways of setting a "Direct to"

- Selecting point on the map;
- Selecting an item in the database.

8.1.1. Selecting an existing point / item on the map

-> Short press on the item displayed on moving map screen open the info box related to it



-> *Long Press* in the middle of the info box

The item is selected as "Direct to - NAV1"

Note: FLY is FUN allows two items selected simultaneously as Direct to "NAV1" and "NAV2". NAV2 button allows selecting the point as second Direct To item. Switching from one to the other is done via *long press* on waypoint names windows.

As soon the item is selected,

- -Name of the selected item appears in the waypoints windows, right and bottom of screen;
- If you have a GPS fix:
 - Bearing is displayed in the BRG button;
 - Distance to is played in the DME button;
 - A vector appears on the map.
- If you have a GPS fix, you get a message:

"Unable to set course because no GPS fix"

8.1.2. Selecting any point / item on the map

If you like to select on the map a point that isn't in the database, *long press* anywhere on the map and select "Direct to NAV1".



Long press on point on the map

Pop Up - select « Direct to Nav 1 »

Point Selected

As soon the item is selected,

- The name "*Tapped position*" appears in the waypoints windows, right and bottom of screen;
- If you have a GPS fix:
 - BRG displays the bearing;
 - DME displays the distance: 0
 - DME and DME are displaying the same value.
 - A vector appears on the map.
- If you do not have a GPS fix, you get a message:
 - "Unable to set course because no GPS fix"

Note: selecting "Create new WPT" in the pop up menu, allows creating and inserting a new item in the database.

8.1.3. Selecting a point in the database

- Short press on the dark rectangle, where we have seen in the previous example "LFPA Persan Beaumont " to call the database, where all navigation items are.
 Note: If a route is active, a pop-up menu appear, in the present case select "direct to" or
- Main menu (short press on the compass rose) -> Navigate -> Nav database (Direct to)



Long Press on the loupe to fine tuning search criteria

You can select the airfield "LFOB" as such





A new short press on destination name allows fine tuning the selection

If you select runway, a green vector materialize runway axe and orientation





Green vector materialize RWY axe Arrival point is at beginning of RWY12

8.2. Route planning

You are becoming familiar with FLY is FUN. Creating a route is simple to





Route library

To access the route library, where all routes are saved, there are two options:

- **Short press** on the "DME" "ET" "ETA" brawn buttons.
 - Those buttons are indicating:

- DME: distance to the end of the route:
 - <u>DME</u> is underline is a route is active.
- ET: estimated time to end of the route:
 - <u>RT</u> is underline is a route is active.
- ETA: estimated arrival time:
 - <u>ETA</u> is underline is a route is active.
- The **black button** "DME" and "ET" button, on the left, are indicating
 - DME: distance to the next waypoint
 - ET: estimated time the next waypoint

or

-> Main menu (short press on the compass rose) -> Navigate -> Route

8.2.1. Creating a route on the map

Short press on "+W" in the route library to create a new route

- You can attribute a route name, if not it will be automatically done, when saving the route



Route library

Empty window, as route isn't created

Route naming

Selecting World Map icon call the topographical map.

There you can select on the map, the starting point of the route



select on the map, the point to use as first WPT and long press on the map

Menu inviting to create and name the first WPT

First point created on the map



select another place on the map long press on it, a menu appears



same for third point ... long press on it, a menu appears



after validation, second waypoint is created the first route segment appears



after validation, third waypoint is created the second route segment appears

Short press on the green arrow validates and calls the route details



arrows to save the route



Route created and saved

Note: if there is no active route, you can start creating a route directly from the map without having to start calling the route windows.



The firs point being created, then proceed as describe above.

8.2.2. Adding waypoint, editing and modifying a route - Waypoint order

It's always possible editing and modifying a route.

- Note: to do it no route should not be active.
 - If a route is active, you should first stop it

Call the route library:

- **Short press** on the "DME" – "ETA"

or

-> Menu (short press on the compass rose) -> Navigate -> Route

In the route library Long Press on the name of the route you would like to modify

- short press activate the route

2000	×	Routes	=		Roi	utes	
1000)	• 🗖	-141			-1	A1	
D 922 ula n-Yvelines	text to find	Q	[]	tex Na	vigate ETARs arou	und	T
Mureaux				Su Ed	mmary it		
D 154 Road				Du	plicate and	l invert ord	er
280 °°° LFOA AVD Avord Avord				Co	ру		
ALT ET ACC kmh km m ALT ET ET LT LOG SW1 ETA UTC hm hm Lom	list of avail	lahle route sele	ect a route		route	e menu	
	an	d long press on	it		select	« Edit »	

Via this menu, it is possible:

- To activate the route, selecting "Navigate"
 - Note: *short press* on the route name in the route library activate the route to
- To reverse a route, selecting "Duplicate and invert order"
- To get weather information along the route, selecting "METAR around"
- To modify a route, selecting "Edit"
- To see the summary of the route, selecting "Summary"
- To "Copy" a route
 - Note: You should then *long press* and then select "Paste"
 - To "Delete" a route
- To "Paste" a route
 - Note: "Paste " shows only if a route has been copied.

8.2.2.1. Adding a point by "drag and drop" on one segment of the route

Having selected the route, where you would like adding a waypoint,

- -> Long press on the route name, and
- -> "Edit", in the Pop up menu,

and seeing the route detail:

- -> Long press on any waypoint, and
- -> "Show at the map center" in the menu

route is drawn on the screen



Long Press on a waypoint « Show at the map center »

Route is drawn on the map

Select the route segment to modify

-> Long press on route segment to modify

AND

-> "Drag and drop" it to the point to add

a new waypoint is then added to the route.

Short press on the green arrow to validate the add *Short press* on the green arrow in the route detail to save the modification



select with 1 finger route segment to modify, drag it to the new point

new point added on the map ...

... and in the route

Note: it's possible to, moving waypoints.

8.2.2.2. Waypoint order modification

In the route library, select the route, in which you would like modifying the waypoint order -> *Long press* on its name, then chose "Edit", in the Pop up menu route detail appears.

-> Long press on the waypoint to move. A menu Pop up, where it's possible selecting options related to the waypoint

chose "Move up" or "Move down".

In our example we selected WPT 01 then "Move down", to reorganize our route.



Long press on WPT 01

Pop up menu appears select "Move down"

WPT order is modified

×		Rou	te	=
8	F .	+	>	
Route	name:	Test Re	oute	×
Databa	ase WPT:	text;IC,	AO	0
	WPT 0	0		
\wedge	mag	nm	nm	
\checkmark	ET hh	:mm:ss	hh:mm:ss	00
	ETA	UTC	hh:mm:ss	
	WPT 02	2		
\wedge	131	2.2	2.2	
\sim	ET			01
	ETA	UTC		
	WPT 0			
\wedge	269	2.1	4.2	
V	ET			02
	ETA	UTC		
	WPT 03	3		
\wedge	171	2.5	6.8	
V	ET			03
	ETA	UTC		
	14/0	- /	1.0.1	

WPT order modified WPT 01 is now after WPT 02



route after WPT order modification Save it

Short press on the green arrow to validate

Short press on the green arrow in the route detail to save the modification

8.2.3. Creating a route using the database

Short press on "+W" in the route library to create a new route

- You can attribute a route name, if not it will be automatically done, when saving the route



Route detail

Waypoints could be selected in the Waypoints database, searching on full name or on code name or directly on the map, as explained previously.

To search in the database, enter the whole name or the WPT code in the Database WPT search field. We are looking for LFXU in our example



Searching for LFXU Enter the name and long press the loupe

LFXU selected First point of the route

LFXU being now the first point of the route, we will search the destination, "Cherbourg" We could as well entered LFRC.



Searching for Cherbourg Enter the name and press the loupe

Cherbourg results

LFRC selected Second point of the route

Calling the map *short press* on map button, we see that we will flight overs sea, crossing TMA and CTR of Deauville LFRG and Le Havre LFOH, that we won't.

To avoid them we will drag and drop the route, as seen previously



To not fly over sea drag the route back to earth

One point added

Same way – drag and drop to avoid Deauville TMA and CTR Zooming on "WPT 02", we see that it's nearby "LF5023" ULM airfield.



We will replace "WPT 02", by "LF5023", dragging "WPT 02" over "LF5023"

Route is now ready, can be validate. *Short press* on green arrow calls back the route detail *Short press* on green arrow save the route



Route list Press on green arrow save the route



Route in the route library

8.2.4. Advanced functions related to the route

From the route library, for each stored route, it's possible calling enhanced functions

- Call the route library
 - **Short press** on "<u>DME</u>" "<u>ET</u>" "<u>ETA</u>" brawn buttons.
 - or
 - -> Menu (short press on the compass rose) -> Navigate -> Route

Then

- **Long Press** on the name of the route you would like to check call a Pop up menu Note; If you do a *short press* the route will be activated

Route menu pop up.



Menu related to the route

8.2.4.1. METARs around

If you have an Internet connection, you can get weather information from stations and airports being around the route.

×	METARs	
*		2
MET	ARs around the rou	ite
LFPT Vexi		es En MVFR
1014 hPa		11/11 °C
6.2 sm	BKN 2900 ft BKN 1400 ft	20:30 UTC
→ 290 mag 5 knot	SCT 800 ft	27min
LFOC Cha		MVFR
1015 hPa		12/10 °C
6.2 sm	OVC 3200 ft	-DZ
310 mag 10 knot	BKN 1900 ft	20.30 010 27min
LFOE EVX		VFR
1015 hPa		11/10 °C
6.2 sm	BKN 3100 ft	
< 280 mag	SCT 2600 ft	20:30 UTC
→ 6 knot	FEW 700 ft	27min
LFOP URO	Rouen - Vallee De S	eine MVFR
1014 hPa		10/9 °C
5.2 sm	BKN 3700 ft	
200 mag	BKN 2000 ft	20:30 UTC
	METARS	4
X		e
MET	ARs around the rou	ite
1015 nPa		11/1 0
0.2 SITI		9000 UTC
і мет	AR and TAF raw	data
LFRK 3120 CAVOK 09	030Z AUTO 29009 /06 Q1016	KT C
TAF LFRK 28015G25 3115/3116	311400Z 3115/3 KT 9999 BKN020 5 3000 RA BKN00	124 n TEMPO 9
BECMG 31	16/3118 28010K	11/2 C
	ОК	c
4 KNOL	_	
LFRC CER		tus VFR
1015 hPa		9/5 C
5.2 sm		20:30 UTC
> 260 mag	CAVOK	27min
T KIUL		1.11-1-1
	Raw data	





METARs data could be saved for of line usage

Searching range is defined in -> Main Menu -> App Settings -> Preferences -> Ranges and distances

8.2.4.2. Route summary – flight duration – flight consumption

Route "Summary" allows:

- To know length oh the route;
- To evaluate:
 - Flight duration;
 - Fuel that will be requested;
 - o Wind impact on flight duration and fuel consumption
 - o ...

For evaluation, you need entering few parameters:

- Aircraft characteristics;
- Wind;
- Reserve;
- ...



Route summary without aircraft, fuel and wind info

with all info

You can select the aircraft and/ or set aircraft specification via the aircraft windows you can call, *short press* on "Aircraft" button.

8.2.5. Importing a route

You may, all ready have routes you would love importing in to FLY is FUN.

With FLY is FUN you can import (and export) routes respecting the following format:

- GPX
- Kml, Kmz
- FLY is FUN own format

GPX, Kml, Kmz formats are widely used, with GPS as Garmin, Google Earth, PC planning software, iOS moving maps applications as ANP. Supporting them facilitates exchanges and, in some cases, migration to Android devices.

FLY is FUN is extremely open and flexible facilitating import of most of your existing assets

Call the route library

- **Short press** on "DME" – "ET" – "ETA"

or

- Menu (short press on the compass rose) -> Navigate -> Route

Then

_

- Short Press on the 3 small lines, on the upper corner right
 - "Import" "Export" and "Paste" buttons appears

×	Routes	= ×		Routes		 Import routes
+	+W		+	-W		Routes which have the same name will be:
text to fin	d Q	L.I te	ext to find	Q	[a]	Overwritten Not used
						/storage/emulated/0/GPS_ILS_VOR
😿 LF	XU-LFRC		🔊 LFXU-	LFRC		7 []
			Import	Export	Paste	×
	Route library		Import	Export Past b	uttons	Selecting the folder

On your device, you should select the folder in which is located the route to import.



Note: for "Foufou Navigation" users.

"Fourfou Navigation" <u>http://francois.fouchet.free.fr/</u> is a fabulous and very powerful flight planning application, developed by M François Fouchet that works on Windows PC.

If you prepare your route with "Foufou Navigation", once a route is uploaded, within "Foufou Navigation", to use it with "FLY is FUN" chose "GPX (with waypoints)" as export format. -> GPS -> Save route -> GPX (with waypoints)

Then transfer the saved file on your Android device and follows here above describe importation process.

9. Navigate

Now you know enough to use FLY is FUN navigate

Install you on board

Call the route library to select the route to use

Short press on "DME" – "ET" – "ETA" brawn button

or

- Main Menu (short press on the compass rose) -> Navigate -> Route
- Short Press on the name of the route you would like to use



For this first fly we chose Tunis_Douz entrance of Sahara desert

Available route in the library



- -DME for next point DME is 21 miles
- **DME** for final destination DME is 253 mile
 - 0 There is no indication for ET "estimate time" of arrival to the next waypoint or ET "Estimated Time" end of the route, as the plane isn't yet flying.

5000

TS

/anal

59

NOUAR

Tunis_Douz route active

14:04 13:04

Note : you can set units value you like to use for distance (metric or imperial), speed (km/h or knots), altitude (meters or feet) via

-> Main Menu (short press on the compass rose) -> App Settings -> Preferences -> Units select...

Route being active, you see its name in the waypoint windows, with the name of the selected waypoint

As the route is active, if you **Short press** again on brawn button "<u>DME</u>" – "<u>ETA</u>", instead of reaching the Route Library, you get direct access to the route detail.



Detail of active route

You can scroll it up and down. Active waypoint is in green

Note: Reaching a waypoint the application switch automatically to the next waypoint.

To select manually another waypoint, there are two (2) options

- Short press on one the waypoints of the list

or

- Press the green arrows

As soon a new waypoint is selected, manually or automatically, a message prompts on the moving map :



Next WPT selected, with its name

If instead a *short press* you do a:

- Long Press on one waypoints of the list a menu propose several possibilities



Specific action related to WPT selected

Using FLY is FUN, you will discover and enjoy many other functions...

10.Routes and "direct to"

In some cases, while following a route, it could be interesting to divert, to see some points that are not planned on the route, and then to come back to the route



Approaching St Benoît sur Loire waypoint, next waypoint "Castel of Chamerolles" is selected"

Approaching LFOZ, we would like to evaluate a direct to.



Short press on LFOZ on the moving map Long press in the middle of info box



Direct to LFOZ established 5 miles in the 270

To come back to the route



Short Press on the waypoint windows Select « Restore route navigation »



Route is reestablished

11.Logbook – Flight recording –Tracks

If activated, the **Logbook** could records:

- Length of the flight
- Departure and arrival airport
- Departure and arrival time
- Flight track
 - it is possible to export it to .kml file (Google Earth) or .gpx file
- Aircraft
- Pilot(s)
- ...

Logbook works in automatic mode (by default) or in manual mode. In automatic mode, FLY is FUN starts recording when ground speed exceeds a define speed value. If speed drops below this value, application finalizes the record.

To call the Logbook

- Long press on the Log button
- or
- Menu (short press on the compass rose) -> Tools and Info -> Logbook

Pilot: All To: Image: Constraint of the second	Pilot: All To: Aircraft: All From: Date and time: UTC LT DDAP DIAP T D1AP DIAP T 00.56 15 N 00.515 25.04.15 N 01341 14.37 SE I 1510 15.53 SE I 005.15 30.05.15 N 00000 0FFQL LFAG T 00.54 130.05.15 30.05.15 N 00000 0FAG T 00.54 1 00.5.15 30.05.15 N 00000 103.9 13.03 SE I	×		Log	gbooł	<		111
Aircraft: All From: Aircraft Date and time: • UTC • LT DD.MM.YY DIAP DIAP T 00.56 1 1 00.00 1 13:41 14:37 SE I 00.00 1 LFFD LFAJ T 00.43 1 240.5.15 240.5.15 N 00:00 0 15:10 15:53 SE I 00:00 0 LFAU LFAG T 00:54 1 30:51:5 00:00 0 LFXU LFAG T 00:54 1 30:51:5 00:00 0 LFAG LFAU T 02:24 2 00:00 LFAG LFAU T 02:24 1 00:00 00:39 13:03 SE I 00:00 1	Aircraft: All From: Date and time: UTC LT DD.MM.YY DIAP DIAP T 00:56 25.04.15 25.04.15 N 00:00 13:41 14:37 SE I 00:00 LFFD LFAJ T 00:43 1 24.05.15 24.05.15 N 00:00 1 LFXU LFAG T 00:54 1 00:19 10:35 N 00:00 0 LFAG T 00:54 1 00:00 LFAU LFAG T 00:54 1 00:13 SE I 00:00 0 LFAG LFXU T 02:24 2 30:05:15 30:05:15 N 00:00 1 10:39 13:03 SE I 00:00	Pilot:		All	To:			
Date and time: UTC LT DD.MM.YY DIAP T 00.56 1 25.04.15 25.04.15 N 00.00 13.41 14.37 SE I 00.00 LFFD LFAJ T 00.43 1 24.05.15 24.05.15 N 00:00 0 1510 1553 SE I 00:00 LFXU LFAG T 00:54 1 30.515 30.05:15 N 00:00 0 1919 10:13 SE I 00:00 LFAG LFXU T 02:24 2 30.515 S0.05:15 N 00:00 1 30.515 S0.515 N 0:00:00 1 SE I <th>Date and time: UTC LT DD.MM.YY DIAP T 00:56 1 25.04.15 25.04.15 N 00:00 13:41 14:37 SE I 00:00 LFFD LFAJ T 00:43 1 24.05.15 24:05.15 N 00:00 1 15:10 15:53 SE I 00:00 LFXU LFAG T 00:54 1 00:15 30:05:15 N 00:00 0 PI:19 10:13 SE I 00:00 LFAG LFXU T 02:24 2 30:05:15 30:05:15 N 00:00 1 10:39 13:03 SE I 00:00</th> <th>Aircraft:</th> <th></th> <th>All</th> <th>From:</th> <th></th> <th></th> <th></th>	Date and time: UTC LT DD.MM.YY DIAP T 00:56 1 25.04.15 25.04.15 N 00:00 13:41 14:37 SE I 00:00 LFFD LFAJ T 00:43 1 24.05.15 24:05.15 N 00:00 1 15:10 15:53 SE I 00:00 LFXU LFAG T 00:54 1 00:15 30:05:15 N 00:00 0 PI:19 10:13 SE I 00:00 LFAG LFXU T 02:24 2 30:05:15 30:05:15 N 00:00 1 10:39 13:03 SE I 00:00	Aircraft:		All	From:			
DIAP DIAP T 00:56 1 25.04.15 25.04.15 N 00:00 0 13:41 14:37 SE I 00:00 0 LFFD LFAJ T 00:43 1 00:00 0 15:10 15:53 SE I 00:00 0 15:10 15:53 SE I 00:00 0 LFXU LFAG T 0:54 1 00:00 0 0 10:35 I 00:00 0 10:34 1 00:00 1 1 1 1 1 0:51 N 0:00:00 1 1 0:51 1 0:00:00 1 1:0:13 1 1 0:13 1 0:13:13 1 0:10:13 1 1:0:12 1:0:12 1 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12 1:0:12	DIAP DIAP T 00:56 1 25.04.15 25.04.15 N 00:00 0 13:41 14:37 SE I 00:00 0 LFFD LFAJ T 00:43 1 24:05.15 N 00:00 15:10 15:53 SE I 00:00 1 15:10 15:53 N 00:00 1 LFXU LFAG T 0:0:51 N 00:00 0 9:19 10:13 SE I 00:00 0 LFAG LFXU T 0:2:4 2 30:05:15 N 00:00 0 LFAG LFXU T 0:2:4 2 30:05:15 N 0:0:00 0 10:39 13:03 SE I 00:00 0 0 0 0	Date ar	nd time:	ουτο	C OLT	DD.MM.Y	Y	
Z5.04.15 N 00:00 0 13:41 14:37 SE I 00:00 LFFD LFAJ T 00:43 1 24:05:15 N 00:00 0 15:10 15:53 SE I 00:00 1 LFXU LFAG T 00:54 1 30:51:5 N 00:00 0 LFXU LFAG T 00:54 1 30:51:5 N 00:00 0 D9:19 10:13 SE I 00:00 1 LFAG T 00:54 1 30:51:5 N 00:00 0 1 0:051:5 0:05:15 N 00:00 0 1 0:000 1 0:051:5 0:05:15 N 00:00 0 1 0:00:00 1 0:39 1:03: SE I 00:00	25.04.15 25.04.15 N 0000 0 13.41 14.37 SE I 00.00 LFFD LFAJ T 00.43 1 X 0000 0 LFFD LFAJ T 00.43 1 X 0000 0 15.10 15.53 SE I 00.00 LFXU LFAG T 00.54 1 X 0000 0 15.10 15.53 SE I 00.00 LFXU LFAG T 00.54 1 X 0000 0 919 10.13 SE I 00:00 X 0000 LFAG LFXU T 02.24 2 X 00:00 0 X 00:00 0 10.39 13.03 SE I 00:00 X 00:00 0	DIAP	DIAP				00:56	
13:41 14:37 SE 10000 LFFD LFAJ T 00:43 LFFD 15:53 SE 1 00:00 15:10 15:53 SE 1 00:00 LFXU LFAG T 00:54 1 00:51:5 0:05:15 N 00:00 0 00:51:5 0:05:15 N 00:00 0 0:61:7 10:3 SE 1 00:00 LFAG LFXU T 02:24 2 0:0:51:5 N 0:00:00 10:39 13:03 SE 1 00:00	13:41 14:37 SE 1 0000 LFFD LFAJ T 00:43 1 24:05.15 24:05.15 N 00:00 0 15:10 15:53 SE I 00:00 LFXU LFAG T 00:54 1 30:05.15 30:05.15 N 00:00 0 9:19 10:13 SE I 00:00 LFAG T 02:24 2 30:05.15 N 00:00 LFAG LFXU T 02:24 2 30:05.15 N 00:00 10:39 13:03 SE I 00:00 10:39 13:03	25.04.15	25.04.15	CF.		N	00:00	0
LFFJ F 00/43 420.515 240.515 15:0 15:53 15:0 15:53 LFXU LFAG 10:05.15 00:00 LFXU LFAG 10:05.15 00:00 09:19 10:13 SE I 00:00 1 LFAG T 00:00 1 10:13 SE LFAG T 0:0:15 0:0:0:0 10:39 13:03 SE I 0:0:00	LFFJ F 00433 100433 F 00433 1240.515 N 0000 0 1510 1553 SE I 00:00 LFXU LFAG 00:15 N 00:00 0 LFXU LFAG 00:515 N 00:00 0 0:919 10:13 SE I 00:00 LFAG LFXU LFAG T 02:24 2 30:05:15 N 00:00 0 10:39 13:03 SE I 00:00	13:41	14:37	55		!	00:00	
ZH 05.15 ZH 05.15 ZH 05.15 I 00000 LFXU LFAG T 00:54 1 30.05.15 30.05.15 N 00:00 LFAG T 00:24 2 00.515 30.05.15 N 00:00 LFAG T 02:24 2 00.615 30.05.15 N 00:00 10:39 13:03 SE I 00:00	ZA US, 15 ZA US, 15 IA OUCDO DE10 1553 SE I 00:00 LFXU LFAG T 00:54 1 30.05.15 30.05.15 N 00:00 00:00 LFAG LFXU T 00:24 2 30.05.15 30.05.15 N 00:00 0 10:39 13:03 SE I 00:00	LFFU	LFAJ			N	00:43	0
LFXU LFAG T 00.54 1 30.05.15 30.05.15 N 00000 0000 00:19 10:13 SE I 00:00 LFAG LFXU T 02:24 2 00:51:5 N 00:00 10:39 13:03 SE I 00:00	LFXU LFAG T 00:54 1 30.05.15 30.05.15 N 00:000 00:00 00:00 00:00 LFAG LFXU T 02:24 2 30:05.15 N 00:00 0 10:33 SE I 00:00 0 10:39 13:03 SE I 00:00 0 10:39 13:03 SE I 00:00 0	15:10	15:53	SE			00:00	
30.05.15 30.05.15 N 00:00 0 09:19 10:13 SE I 00:00 LFAG LFXU T 02:24 2 2 30.05.15 N 00:00 0 10:39 13:03 SE I 00:00	30.05.15 N 00.00 0 09.19 10:13 SE I 00:00 LFAG LFXU T 02:24 2 N 00:00 0 00:15 30.05.15 N 00:00 0 I 10:39 13:03 SE I 00:00	LEXU	LFAG				00:54	
op:19 10:13 SE I 00:00 LFAG LFXU T 0:2:24 2 B:0:61:5 30:65:15 N 00:00 0 10:39 13:03 SE I 00:00	09:19 10:13 SE I 00:00 LFAG LFXU T 02:24 2 30:05.15 30:05.15 N 00:00 0 10:39 13:03 SE I 00:00	30.05.15	30.05.15			N	00:00	0
LFAG LFXU T 02:24 2 30.05.15 30.05.15 N 00:00 0 10:39 13:03 SE I 00:00	LFAG LFXU T 02:24 2 30.05.15 30.05.15 N 00:00 0 10:39 13:03 SE I 00:00	09:19	10:13	SE		1	00:00	
30.05.15 30.05.15 N 00:00 0 10:39 13:03 SE I 00:00	30.05.15 N 00:00 0 10:39 13:03 SE I 00:00	LFAG	LFXU				02:24	
10:39 13:03 SE I 00:00	10:39 13:03 SE I 00:00	30.05.15	30.05.15			N	00:00	0
		10:39	13:03	SE			00:00	

Main Logbook windows

"Pilot" button, "Aircraft" button, "To" button and "From" button allow filtering per Pilot, Aircraft or date.

Long press on any log rows calls a Pop up menu:

	Logbook	=
ilot: ireral	Export	T
Date	Send	
DIAP 5.04. 3:41	Show at the map centre	6 1 00 0 00
FFD 4.05. 5:10	Hide track on the map	13 1 10 0 10
FXU 0.05 9:19 FAC	Merge with the next row	64 1 10 0 10
0.05. 0:39	Edit)0.0.)0
	Select all	
	Delete	

Logbook main menu

There you can chose several options

Logbook – "Edit" option 11.1.1.

Edit calls a windows allowing association of pilots names, position and aircraft used, to the recorded row.





To associate a Pilot, select pilot

- To associate an Aircraft, select aircraft

Do not forget saving modification *pressing* on the green arrows, at the bottom of the screen.

11.1.2. Logbook Export, flight track export

Export allows exporting the Logbook or tracks registered during flight



Logbook export menu

Recording tracks during flight allows to replay the flight and, if needed, to demonstrate that their were no penetration in prohibited airspace.



replaying a flight within Google Earth

12. Importing waypoints and PDF files

12.1. Importing items

You may, all ready have lot of items, point of interest, waypoints that you would love importing.

With FLY is FUN you can import (and export) Waypoints "Nav items" respecting the following format:

- GPX
- Kml, Kmz
- FLY is FUN own format

WARNING regarding waypoint creation and importation

First of all, you will have to create a folder outside of the World Nav Database to store your own Waypoints, point of interest of airfield.

This is very important, as within the World nav Database, data update start with suppression of all existing data, that are considered as outdated and then importation of the new data

Storing your own data in a folder that is outside of the World Database will allow avoiding bad surprises

To create a new folder

Call the "Nav database"

- **Short press** on the "WPT windows" on the right of moving map screen

or

- -> Menu (short press on the compass rose) -> Navigate -> Nav database (Direct to)

Nav database Nav database Nav database 💿 Name 💿 Dist History Nearest Name () Dist History Nearest Name Dist History Nearest text;ICAO text;ICAO text;ICAO Q 0 [..] Q [..] orld database ry long press the buttons orld database/Tunisia/Airports/DTNH **`** ... My own waypoints DTNH NBE DTNH Enfidha - Hammamet World database PO France 49.2 1 TWR 118.55 ATI 136.30 Ivory Coast EBI RWY 27 P 49.4 🗸 DTNH 108,10 Obstacles NZI RWY 09 P 49.2 1 Tunisia DTNH 109,30 RWY 09 10792 ft G DTNH ILS NZI, Asph 104fawt 49.2 🗸 mm Elev 19 ft RWY 27 10792 ft G DTNH ILS EBI, Asph 104fawt 49.4 Elev 13 ft Moving to the top of the three Moving to the top of the three On top of the three

Then move at the highest point of the data base three:

Create a folder for your own WPT

New folder New folder Nav database Name: Name: Name Dist History Nearest My Waypoints text;ICAO 0 Notes: Notes: ry long press the buttons My own waypoints × A × A World database 1 Tunis The Waypoints Waypoint Eastpointe Endpo ¢ UIOP QW ER TY q w е t u o p v S D F G Δ H J К L a S d f g h j k 1 New nav item New folder Sort \bigotimes \otimes ŵ Ζ С ٧ X В N M z x C V b n m Export Nearest Import ?123 ₽ ?123 ₽ 5 5 Suiv Sui

Menu « New folder »

Giving a name

Named

And select the WPT to import

Nav database =			× Nav da	itabase	9 ≡	× Na	v datab	ase =
Name Dist	History	Nearest	Name Dist	History	Nearest	Name	Dist Hist	ory Nearest
text;ICA0	Q	[]	text;ICA0	Q	[]	text;ICAO	C	[]
Try long press the buttons My own w	aypoint	S	My Waypoints			My Waypoints		
<mark></mark> Му Waypo	oints							
World data	abase							
						New nav item	New folder	Sort
						Import	Export	Nearest

New folder « My Waypoints »

Opening « My Waypoints »

Menu « Import »

You should select the folder in which you saved the Waypoints to import



Waypoints selected in Download folder

Importing Waypoints



New Waypoints in My Waypoints folder

Ready for use « Long Press » on it

Have nice holidays

- Procedures for waypoints, airspace, airfield ... importation from other applications and
- procedures for creation of waypoints, airspace, airfield, airstrip with Google Earth and importation

are described in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11

12.2. Using VACs and PDF files

It is possible storing PDF files in FLY is FUN directory and linking them to waypoints and nav items.

This allows consulting VACs and other information related to specific points during flight.

LFPT POX Pontoise - Cormeilles En Vexin RWY 1514 x 49 m Hard N 49:05.79758 LAT: LON: E 002:02.44333 325 ft ELEV: TWR 121.20 ATI 124.12 NAV2 PDF -Jolie XUIX

Short press on items prompt info box



pressing on PDF button calls attached PDF files, if any

How to proceed is described in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11

Note: Application as AeroVAC <u>http://www.v2air.fr/page3.html</u> or Foufou Navigation <u>http://francois.fouchet.free.fr/</u> are very helpful for PDF VACs import. These applications are:

- Checking regularly, for some countries if VACs and some other documents are up to date;
- Importing automatically VACs on other documents, from official site;
- Able creating one folder per airstrip (airport / heliport / ULM field...);
- Able to put in the right folders all related PDF files VACs;

To do it, you can use the procedure they implemented for ANP iOS (Air Navigation Pro) export, as requested saving structure for FLY is FUN is similar

With Foufou Navigation, once document are up to date chose:

-> Tools -> Export -> Export VACs -> Air Nav Pro Format

Foufou Navigation create 1 folder with 1 subfolder per airstrip.

Each subfolder will contain PDF files related to the airstrip, if any.

All subfolders with there PDF files could then be transferred in one time to the Android device and FLY is FUN.

13. Using your own maps

Fly is Fun allows using maps that are free of right as well as commercial maps as long as they are complying with RMAps SQLite format. User can as well create its own customized maps.



CartaBossy* - commercial map

Corse OACI* * - commercial map

* CartaBossy and Corse OACI screen copies have been provided by a FLY is FUN user. They are reserved to its own usage.

14.Customizing FLY is FUN

If you like customizing FLY is FUN, we invite you exploring deeply all settings options

Most of the settings are accessible via

- -> Menu (short press on the compass rose) -> Application Setting -> Preferences

Screen Customization and button setting could be done via:

- Long press on the compass rose
- or
- -> *Menu (short press on the compass rose) -> Application Setting -> Customize screen* Each screen could be totally customized

Detailed explanations are available in FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11

15.More detail

To get more detail and more information, please consult:

- FLY is FUN User guide http://funair.cz/forum/viewforum.php?f=11
- FLY is FUN forum http://funair.cz/forum/

To unlock the trail version, install FLY is FUN unlocker

Have nice and safe flights

Fly

is

FUN

www.flyisfun.com