

Quick Start Guide

MDFlight v4.5.2

v3.4 - August 2020

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1. Main Screen

PRESS MIDDLE BUTTON
TO SWITCH TANKS

PRESS BOTTOM LEFT
BUTTON TO DISPLAY
NAV SCREEN

Status display:

- Features locked (free version)
- Warm up (#nb landings + 1)
- Taxi (#nb landings + 1) QNH (computed from GPS alt and ambient pressure)
- Air (#nb landings + 1)
- in hpa
- in mmhg

Heading

Altitude

- GPS altitude
- Adjusted using barometer

Vertical Speed in feet/mn

CAPTURE CURRENT
POSITION AND CREATE A
PERSONAL POINT (press x2)

Time since manual warm-up
start or automatic block-off/taxi
detection.

Remaining Fuel

- Left tank
- Optional right tank
to be activated in settings

Ground Speed:

- km/h
- knots
- mph



If you have access to Online services, you will be requested to acknowledge the status of email alerts at the beginning. Press right buttons to accept the value, bottom left to change to ON/OFF.

To start a flight, either manually press the top-right button or wait for automatic detection of taxi/block-off (detection speeds can be modified in the settings)

2. Nav Screen

>>SHORT PRESS DISPLAYS LIST OF ALREADY SEARCHED AIRPORTS AND **PERSONAL POINTS IN GREEN, NAVAIDS IN ORANGE, FIXES IN YELLOW**

>>LONG PRESS OPENS NAV MENU

CURRENT TRACK (OPTIONAL NEXT LEG COURSE ON TOP IF GPX ROUTE IMPORTED)

TIME TO DESTINATION OR TO NEXT POINT IF IN A ROUTE. IF A NAVREF HAS BEEN SET IN THE NAVIGATION MENU, DISPLAY NAV REF BEARING AND DISTANCE.



DESTINATION and FUEL REMAINING AT DESTINATION (alternates each second)

DISTANCE TO DESTINATION IN NAUTICAL MILES

TOGGLE DISPLAY OF REMAINING FUEL AT HOME

CURRENT ALTITUDE (OPTIONAL ACTIVE POINT ALTITUDE IF GPX ROUTE IMPORTED)

CAPTURE CURRENT POSITION AND CREATE A PERSONAL POINT (press x2)

BEARING TO DESTINATION (OPTIONAL ACTIVE LEG COURSE ON TOP IF GPX ROUTE IMPORTED)

ETA TO FINAL ROUTE POINT IF GPX ROUTE IMPORTED

Destination selection

You have 2 options to set your destination. The first one is to search the online global database or select among one of your offline points (manually created on the companion Web or saved from previous online search). The second one is to use the Route features that allow you to add points (your personal points, or from online services that provide access to NAVAIDS and FIXES/WAYPOINTS). You can also import flight plans from the web companion that could be exported for example from SkyDemon.

Offline selection

In the navigation screen, short press on the left middle button opens the quick destination selection.

Remaining fuel at HOME & DESTINATION

If you set an airport as HOME in the Navigation menu in options (**Set Home**), pressing the top right button toggles the display of remaining fuel if you would fly direct to HOME alternating with the remaining fuel at your destination. For these remaining fuel to destination/home to be displayed, you need to set the option **Fuel at dest to ON** in the Navigation settings menu,

Points creation on the fly

Each time you press the bottom right button in the navigation page while flying, a new point will be automatically created and sent to the MDFlight servers.

The watch will try to send the point to the server when you create it.

If it does not work (no network for example), no worries, the points are stored on the watch until a successful transfer happens on the server.

The watch will try to send again the points when you stop/start the app again.

All the points created during the flight and once they have been transferred to the server will appear in “my points” in your space accessible at <https://easymountain.fr/myspace>

You can delete them directly from the google map and also from the list below.

Name	Change Name	Lat	Lon	Delete
_AUTO28	change name	38.8549	-94.8003	! DELETE !
_AUTO29	change name	38.8549	-94.8002	! DELETE !
_AUTO30	change name	38.8549	-94.8002	! DELETE !
_AUTO31	change name	38.8548	-94.8002	! DELETE !
_AUTO32	change name	38.8548	-94.8002	! DELETE !
_AUTO33	change name	38.8548	-94.8002	! DELETE !
_AUTO34	change name	38.8548	-94.8002	! DELETE !
_AUTO35	change name	38.8548	-94.8002	! DELETE !

You can also change their name as all your other personal points.

3. Chronometer

The Chronometer is the third screen that you can access via the bottom left next page button. It shows time and distance from start point. It has to be manually started, stopped and reset.



4. Log Screen

The log screen appears after manually stopping the timer by pressing the top/right button in the main screen.



4. Options

4.1 Unlock

This setting only appears if you are running the free version
Use that setting to manually enter the unlock code after purchasing the ultimate version.

This option disappears after unlocking all features.

This option should normally not be used as the unlock process is automatic if you have an internet connection.

4.2 Adjust Fuel

Pressing on this settings activates the fuel adjustment mode.

The bottom left button allows to switch between fuel tanks and to exit from adjustment mode. The right buttons allow to increase/decrease fuel quantity for the selected tank (* displayed). Long press left-middle refills.

LONG PRESS SETS ACTIVE
FUEL TANK TO REFILL
VALUE DEFINED IN
OPTIONS

INCREASE QUANTITY



SWITCH TO NEXT TANK
EXIT FROM ADJUSTMENT
MODEL

DECREASE QUANTITY

4.3 Time Alert

You set recurring alerts to remind you of what you like (check fuel, check fatigue, ...).

4.4 Email Alerts

You can define in your web companion tool emails to be automatically alerted during takeoff and/or landings with last known position. This feature is only available for Ultimate users that have subscribed to online services.

4.5 Load/save/rename Profile

The application supports up to 12 different planes profiles. The profile is a useful feature that allows to fly different planes and load at once all key settings (Tanks capacity, units, alerts thresholds, ...). Once a profile has been loaded or saved, a new menu items appears to change its name.



4.7 Baro Unit

Choose between hpa or mmhg (saved in profile)

4.8 QNH/QFE

Displays QNH or QFE (saved in profile)

4.9 Baro. Adjustment

Allows to adjust plus/minus units of ambient pressure (global setting, not saved in profile)

4.10 Altitude source

Select source of altitude between GPS or baro adjusted (Global setting, not saved in profile)

4.11 Airborne fuel/h

Select fuel consumption that is applied after automatically detected takeoff (saved in profile)

4.12 Ground fuel/h

Select fuel consumption that is applied during taxi. (saved in profile)

4.13 Capacity Tank 1, Tank 2

(saved in profile)

4.14 Refill Tank 1, Tank 2

(saved in profile)

Sets values to be used for refilling Tanks 1 and 2 when loading a profile or adjusting manually the fuel quantities.

4.15 Low-level alert for tank 1

Vibrates, beeps and displays in red fuel graphics for tank 1. (saved in profile)

4.16 Low-level alert for tank 2

Vibrates, beeps and displays in red fuel graphics for tank 2. (saved in profile)

4.17 Plane/Heli

Choose between plane or helicopter.

In helicopter mode, the speeds menu disappear as the landing/takeoff are automatically calculated taking into account vertical speed and ground speed. (saved in profile)

4.18 Speed unit

Select speed unit between km/h, knots or mph (saved in profile)

4.19 Speed trigger

Select speed to automatically start timer and activity.

This sets the block-off time that will be displayed in the log screen after the flight and also in the activity. (saved in profile)

4.20 Takeoff trigger

Select speed to automatically detect takeoff

This sets the takeoff time that is captured for each lap in the activity.

The takeoff trigger must be greater than the landing trigger. Values below the landing trigger will not be accepted while trying to enter them.

4.21 Landing trigger

Select speed to automatically detect landing. (saved in profile)

This sets the landing time that is captured for each lap in the activity.

The landing trigger must be lower than the landing trigger. Values above the takeoff trigger will not be accepted while trying to enter them.

4.22 Refresh mypoints

Force manual update of your waypoints in case you add points during a flight.

4.23 Clear all airports

Clear offline airports but KEEP your personal points.

4.24 Clear one airport (Online services menu)

Clear one airport from the offline list.

4.25 my Points (Online services menu)

Opens the companion website application on your phone to view your personal points.

4.26 Secondary Points (Nav menu)

Toggle Display in the quick search of points defined as secondary in the web companion site under mypoints section.

4.27 Start From (Route menu)

If a route is defined with one or more points, you can start the navigation from one of those points.

4.28 Add my Point (Route menu)

Adds a point to your route from your offline list.

4.29 Add Navaid (Route menu)

Connects to the online services to search and add a NAVAID.

4.30 Add FIX (Route menu)

Connects to the online services to search and add a FIX/WAYPOINT.

4.31 Remove point (Route menu)

Opens the list of points in your route to remove one.

4.32 Reverse (Route menu)

Reverses the current route.

4.33 New Route (Route menu)

Clears the current route and opens the list of personal point to add one. You can exit this list if you have to add a non-existing NAVAID or FIX.

4.34 Load Route (Route menu)

Displays the list of previously saved routes to choose one to be loaded.

4.35 Save Route (Route menu)

Saves the current route. There are 12 slots available. You can either replace an existing one or save to a new one if slots are still available.

4.35 Import Route (Route menu)

You can import .fpl and .gpx files in the web companion and then use this menu to import it in the app. If you decide to save it after import, the name will be pre-populated with the route name found during the import.

4.36 Stop Nav (Route menu)

Stops the navigation and remains on the existing destination.

4.37 Nav Cue (Nav menu)

Displays a small yellow triangle that indicates the direction you should take to navigate to active point. Triangle at “noon” position on the watch indicates you are flying straight to the point.

5. Activity recording

The activity is automatically recorded and captures each **circuit** as a lap with **landing and takeoff time**.

The **QNH** and the **vertical speed** are captured and available as graphs.

The **block-off time**, the **flight-time** and the **number of landings** are also captured.

You can access your activities as any other garmin activity on the web or your mobile device in the Garmin connect app.

6. Online Services

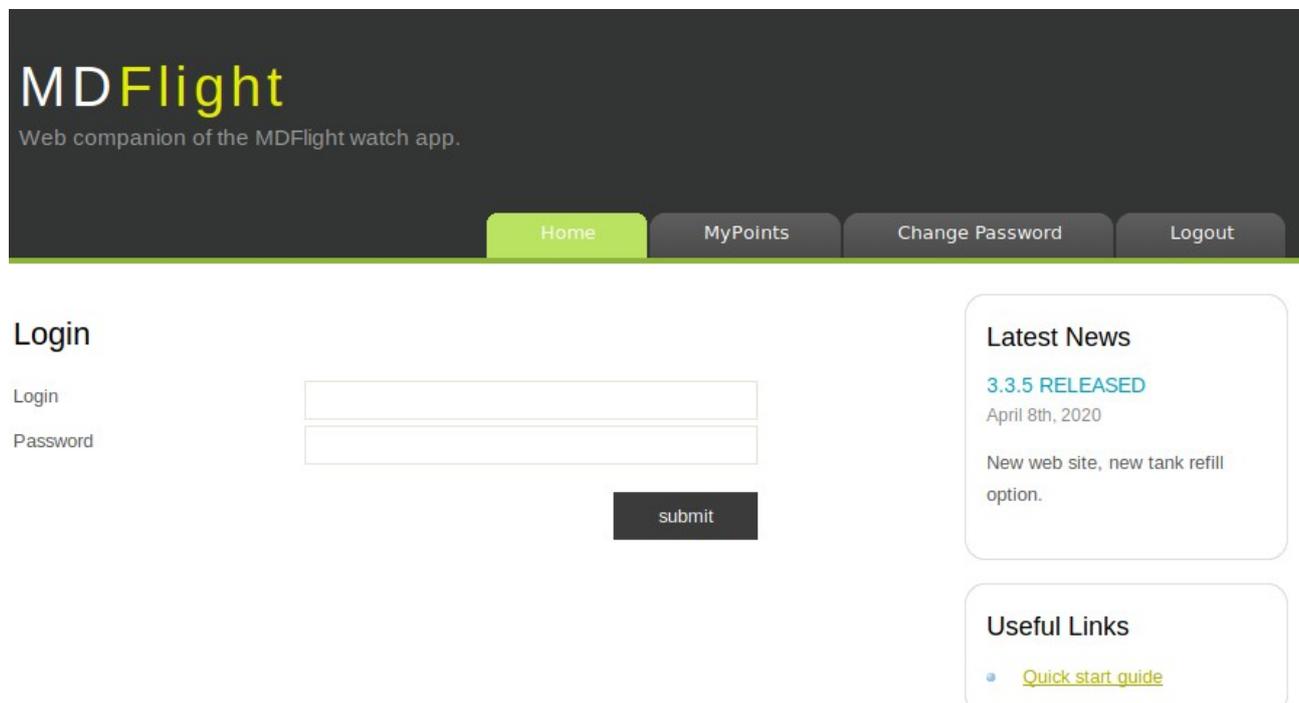
Requires online

6.1 Connection to the website

The web page is located at the following url:

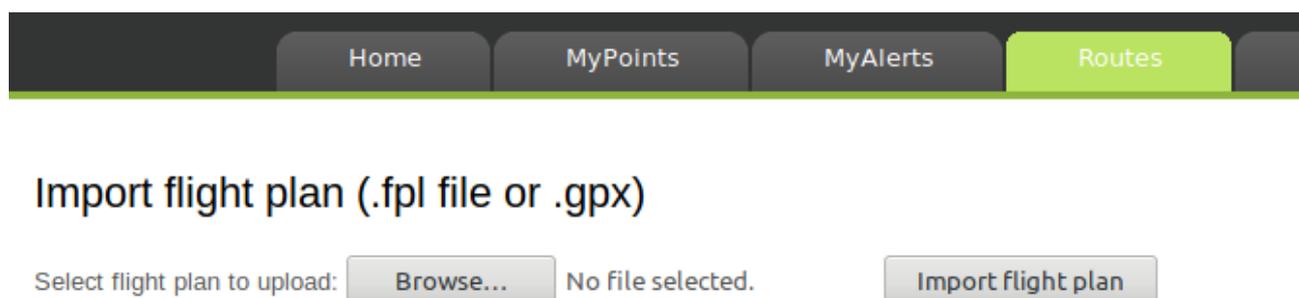
<https://easymountain.fr/myspace>

Connect using the userid you received during registration to ultimate version.



The screenshot shows the MDFlight website interface. At the top left, the logo "MDFlight" is displayed in yellow and white, with the tagline "Web companion of the MDFlight watch app." below it. A navigation bar contains four buttons: "Home" (highlighted in green), "MyPoints", "Change Password", and "Logout". Below the navigation bar, the "Login" section features two input fields for "Login" and "Password", and a "submit" button. To the right, there are two sidebars: "Latest News" with a headline "3.3.5 RELEASED" dated "April 8th, 2020" and a description "New web site, new tank refill option.", and "Useful Links" with a link to "Quick start guide".

6.2 Route import

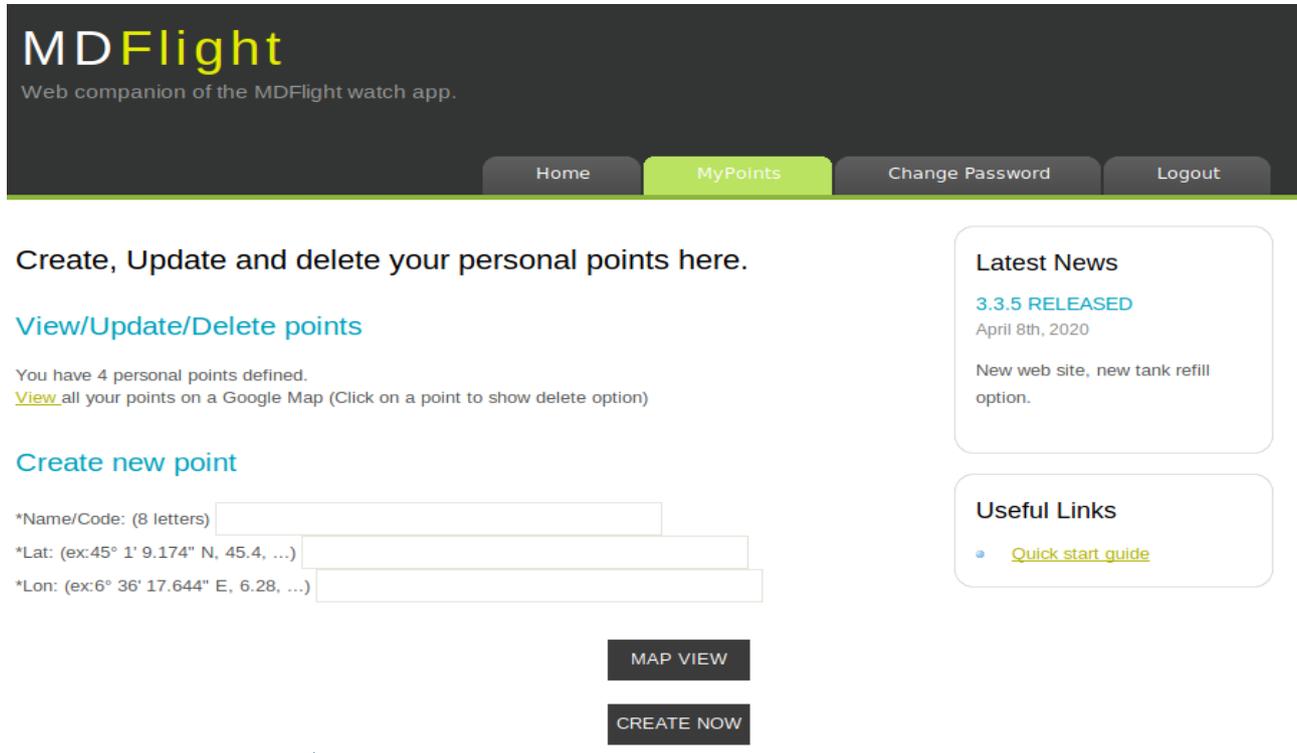


The screenshot shows the "Routes" page of the MDFlight website. The navigation bar at the top has "Routes" highlighted in green, with other buttons for "Home", "MyPoints", and "MyAlerts". Below the navigation bar, the heading "Import flight plan (.fpl file or .gpx)" is displayed. Underneath, there is a text label "Select flight plan to upload:" followed by a "Browse..." button, the text "No file selected.", and an "Import flight plan" button.

Import file here and then from the watch in the Route menu select import.

6.3 New points entry

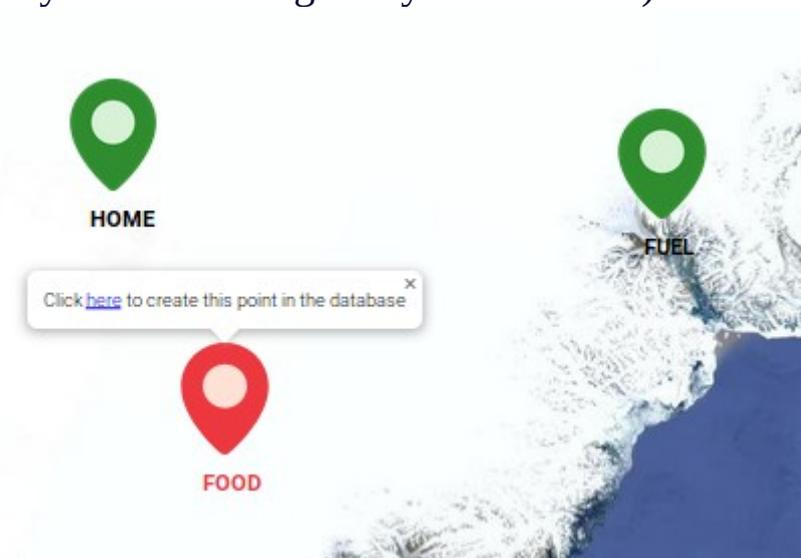
Type in a 8 letters code together with latitude and longitude.
The latitude and longitude format is pretty open as shown in the examples below.



The screenshot shows the MDFlight website interface. At the top, the logo 'MDFlight' is displayed in yellow and white, with the tagline 'Web companion of the MDFlight watch app.' below it. A navigation bar contains buttons for 'Home', 'MyPoints' (highlighted in green), 'Change Password', and 'Logout'. The main content area is titled 'Create, Update and delete your personal points here.' and includes a link 'View/Update/Delete points'. Below this, it states 'You have 4 personal points defined.' and provides a link to 'View all your points on a Google Map'. A 'Create new point' section contains three input fields: '*Name/Code: (8 letters)', '*Lat: (ex:45° 1' 9.174" N, 45.4, ...)', and '*Lon: (ex:6° 36' 17.644" E, 6.28, ...)'. Below the fields are two buttons: 'MAP VIEW' and 'CREATE NOW'. On the right side, there are two boxes: 'Latest News' with a '3.3.5 RELEASED' update from April 8th, 2020, and 'Useful Links' with a link to 'Quick start guide'.

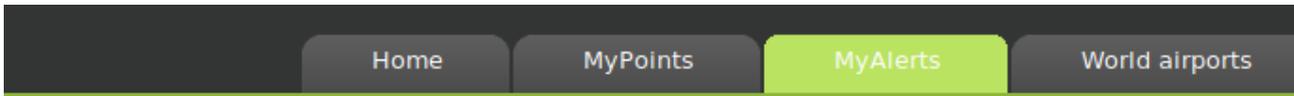
Click on the “MAP VIEW” button before proceeding to ensure the point is at the right location, this will display a google map with the position you entered (green markers are your existing points which are not movable, the red one is the one you are creating that you can move)

When you are happy with the position, click on the red marker and click on the link to create the point.



6.4 Setting emails for takeoff/landing alerts

You can setup a list of emails to be automatically advised when you takeoff and/or land with your last know position. No position data is stored on the MDFlight platform, the position is sent out to advise the recipient on your last know position that could be helpful for search and rescue reasons. Make sure on the watch that the email alerts is set to ON and that you have a valid subscription to online services.



Create, Update and delete your email alerts to be sent out.

[View/Update/Delete alerts](#)

6.4 Access from the Garmin device to your points

The points you created are refreshed on your device when you start the application and if you have a connection to internet (via your phone or directly from the device).

You can access these points from the offline destinations list.

6.6 Prepar3d v5 integration

PLEASE CONTACT ME FOR ACTIVATION.

After login, you can download from the website the connector to P3D. Download the zip file, unzip wherever you like, update the file ID.txt and copy/paste your ID that is displayed on the website in the welcome page, launch the program after you started P3D and start the communication to MDFlight from the add-ons menu in the simulator.

In the watch, go to options, online services, FLIGHT SIM and then select on.

6.7 X-Plane 11 integration

PLEASE CONTACT ME FOR ACTIVATION.

After login, you can download from the XP11 plugin, setup instructions inside. In the watch, go to options, online services, FLIGHT SIM and then select on.

HAPPY FLYING