Plans Converter

###### Plans Converter is an app to convert between major flight plan formats, with the possibility to convert between Garmin FPL (mainly used by SkyVector), FSX/P3D/FS2020 PLN, and X-Plane 11 FMS.

## Installation & Uninstallation

Download and run the installer for your system (WindowsSetup for Windows, and LinuxSetup for Linux). The installer will install the app step-by-step. On Windows, the installer will make a start menu entry and a desktop shortcut. On Linux, it will make a menu entry.

The app can be uninstalled from Control Panel on Windows like any other app, and by running the ‘maintenancetool’ file in the app installation folder on Linux.

If you have the "MSVCR100.dll is missing" error message, install [Visual C++ 2010 Redistributable](https://www.microsoft.com/en-us/download/details.aspx?id=26999) (choose "vcredist\_x86.exe").

## Usage

After opening the app, simply choose the format you want to convert from and to, then select the input file. Based on the output format, various options will appear according to what the output file supports. If you want to convert to Garmin FPL file, there are no data to enter, as the FPL file format doesn’t support airways or altitude.

For PLN files, you can choose the flight type, enter the route, choose the route type, and enter the cruising altitude.

The route waypoints and airways must be separated by spaces, and DCT must not be written between direct waypoints, instead, separate them by a space. The app doesn’t support SIDs and STARs currently. If there are SIDs or STARs in the input file, you mustn’t enter a route.

For IFR flights, a general rule of thumb, the route type should be high altitude airways if the cruising altitude is above FL180, low altitude airways otherwise.

The cruising altitude is used to set every waypoint altitude, except the departure and destination airports.

The same applies for FMS files except that you can enter the route and cruising altitude only.

If no route or altitude is entered, the waypoint airways (if it exists) and altitudes won’t be changed. Note that the FPL file format doesn’t support airways, so if you want airways between waypoints in your simulator when converting from FPL files, you must enter a route, or the waypoints won’t be linked to an airway. The same applies to PLN and FMS files that don’t contain airway data.

X-Plane 11 FMS files require an AIRAC cycle to be present. The app will set the AIRAC cycle to the latest one. If the X-Plane 11 AIRAC cycle isn’t the most recent one, a warning might appear when loading the plan in X-Plane. Nevertheless, the plan can still be loaded.

The app saves the input and output folders for each format, so if you choose and save from a common folder, this should save a bit of your time.

Note that the X-Plane 11 FMS file reader is quite basic, and any extra whitespaces or comments in the file will yield undesired results. This will happen mostly on manually created file.

## Reporting bugs

If you encountered a problem, make sure that the route you entered is the same route used to export the FPL file.

If the problem persisted, [open an issue on the GitHub repository](https://github.com/abdullah-radwan/PlansConverter/issues/new) and attach the input file, flight route, output file (if it exists), “log.txt”, and “config.cfg” files which are in “%appdata%/PlansConverter” on Windows, and “~/.local/share/PlansConverter” on Linux.

## About

Plans Converter is a free and open-source app under the GPL v3 license. The source code can be found in [the GitHub repository](https://github.com/abdullah-radwan/PlansConverter).

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