

Map, Airspace, Waypoint Update on SteFly NAV / OpenVario

These instructions show how to install or update maps, airspaces and waypoints on the SteFly NAV. The procedure is described for OpenSoar on Android, but is identical for XCSOAR.

There are several options available:

- **Option 1:** If the SteFly NAV is connected to the Internet: Conveniently download and activate files using the “Download” button
- **Option 2:** Otherwise, download maps on a laptop / desktop from <https://xcsoar.org/download/data.html>, save them on a USB stick, copy them to the SteFly NAV and activate them. In the download area on xcsoar.org, maps, airspace and waypoints can be downloaded for predefined areas such as a country. If required, the XCSOAR Map Generator <https://mapgen.xcsoar.org/> can be used to define the boundaries of the relevant area individually, e.g. maps can be generated for a cross-border border region.

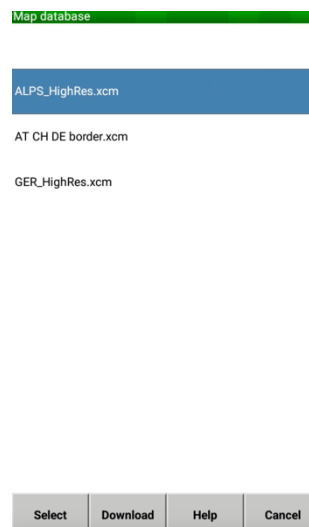
Both alternatives are described below.

Option 1: Download Button

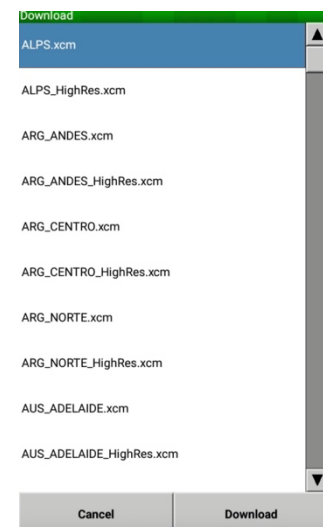
1: Open OpenSoar on the SteFly NAV, click on Config -> System -> Basic Settings -> Site Files and click on the category to be included, e.g. Map database for the relief maps



2: Click on „Download“



3: Select the relevant map, e.g. ALPS, and click Download. The download progress is displayed if the SteFly NAV is connected to the Internet.



Option 2: Integrate External Data

Step 1a: Download pre-prepared data from xcsoar.org

Go to <https://xcsoar.org/download/data.html> and download the data of the predefined areas and save them on a USB stick.

Download - Data

Adding data automatically

XCSOAR can download the data you need (terrain/topography, airspace, waypoint, etc.). For this, please, use the file manager embedded in XCSOAR.

Adding data manually

Additional data, such as your own list of waypoints, can be added manually:

Copy your files into the XCSOARData folder on your SD card or a corresponding folder according to the [Manual](#)

Use the config menu of XCSOAR to load them.

Terrain / Topography

A map file (.xcm) contains terrain and topography. In some cases it might also contain waypoint and airspace files.

[Download Maps](#)

Use the [Map Generator](#) to create your own maps

XCSOAR RELEASES

XCSOAR 7.43

The current stable version.

XCSOAR 7.42

The previous stable version.

[Download Data Files](#)

Download **Maps, Waypoints, Airspace**, or use our **Map Generator** to create custom maps of your area.

[Download Manual](#)

In English, French, German, and Portuguese.

Step 1b: Or create individual maps using the XCSOAR Map Generator

Go to <https://mapgen.xcsoar.org/>, give the map a name, select relevant options, mark the map area and click Generate. Depending on the map size and level of detail, it may take several minutes to generate the map.



XCSOAR Map Generator

1. Choose a name for the map.
2. Enter your E-Mail address if you want to be informed when the map is ready.
3. Select the map options.
4. Select the map bounds and/or upload a waypoint file.

Map name:

AT CH DE border

E-Mail:

Options:

- ☒ Include the [XCSOAR Waypoint Database](#)
- ☒ High resolution terrain (3 arcseconds per pixel instead of 9)
- ☐ Compressed topography (smaller filesize, but slower)

Level of detail:

- ☒ 3: Every little village and road that we know of.
- ☐ 2: No small villages or smaller roads.
- ☐ 1: Only major cities and roads, no railroads.

- ☒ Select map bounds by hand.
- ☐ Add waypoint file and compute map bounds automatically.
- ☐ Add waypoint file and select map bounds by hand.

Note: Waypoint files have to be in Cambridge/Winplot (.DAT) or SeeYou (.CUP) format

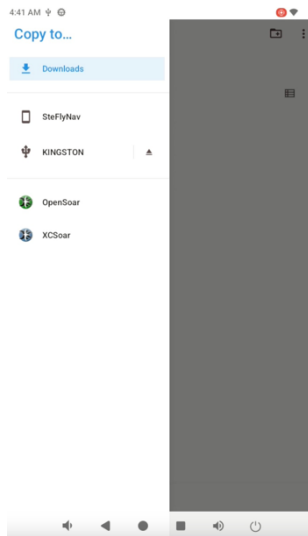
Bounds:



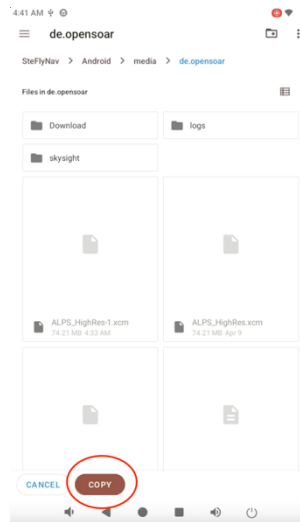
If "Include the XCSOAR Waypoint Database" is checked, waypoints are automatically included in the xcm file.

1: Download airspace files of the individual countries in OpenAir format	2: Open the first .txt file with a text editor and insert the complete text of the other airspace file into it	3: Save the .txt file under a unique name
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4: Click on SteFlyNAV



**5: Navigate to the folder
Android -> media ->
de.opensoar and click on
"COPY"**



**6: Open OpenSoar, Config ->
System -> Basic Settings -> Site
Files and select the new file
(e.g. click on the line "Map
database" to activate a map)**

