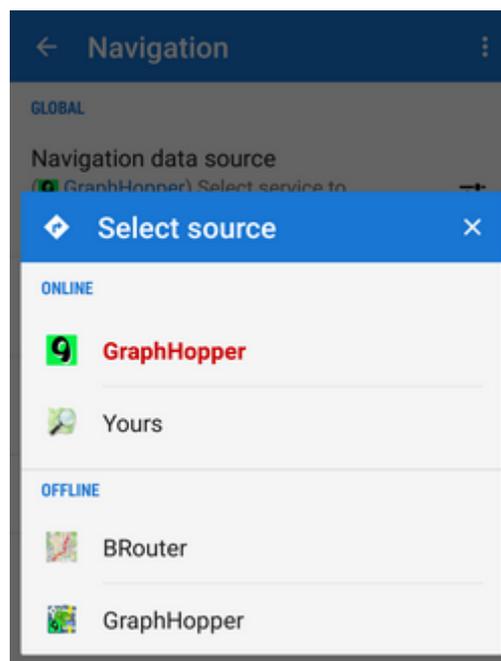# Navigation Settings

Global

Navigation Data Source

Offers a selection of supported data sources. Each source has specific properties, some is functional online-only, some works offline (after downloading offline navigation data):
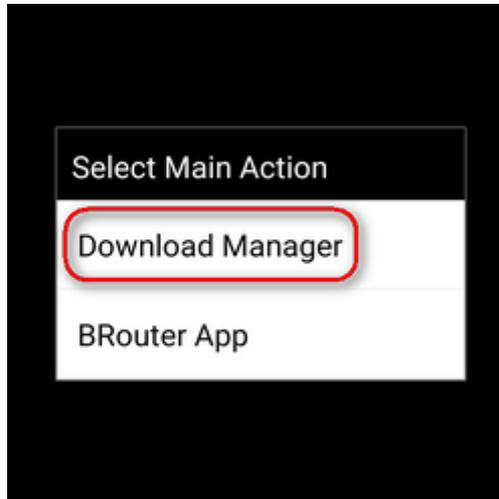

ONLINE

- **GraphHopper** - very fast and data-efficient routing service. Suitable for all ordinary outdoor activites - three kinds of bike profiles: **cycle**, **MTB** and **racing** and two types of walk profiles: **walk** and **hike**. GraphHopper offers also a **car** navigation profile.
- **YOURS**- open source routing engine offers point-to-point route calculation suitable for guidance without voice commands. Very good results in calculating bike routes.

> Interesting comparison of OpenStreetMap online routing engines can be found here >>
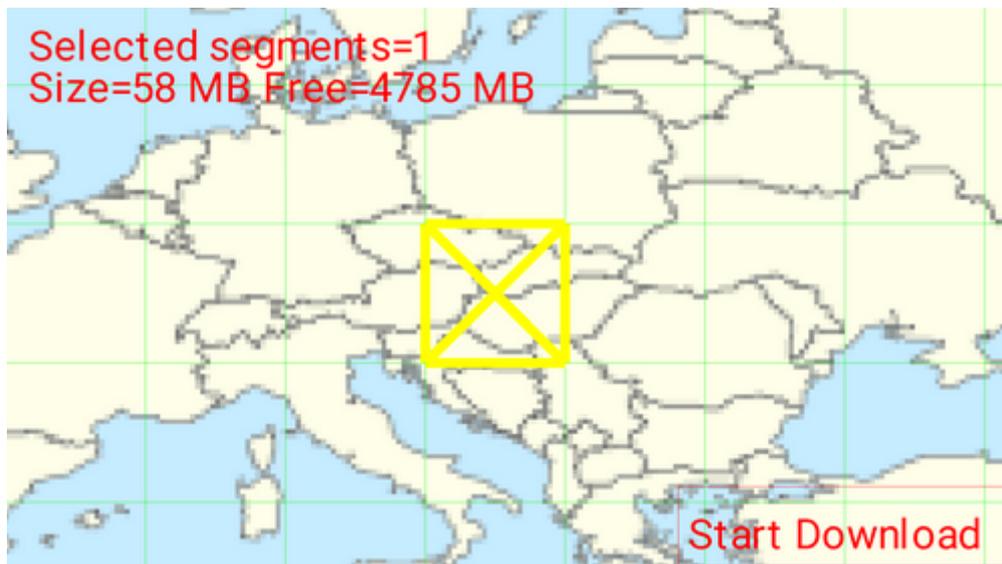
OFFLINE

- **BRouter** - this service requires installation of an independent application **BRouter** and downloading offline navigation data:
  - launch BRouter from your device
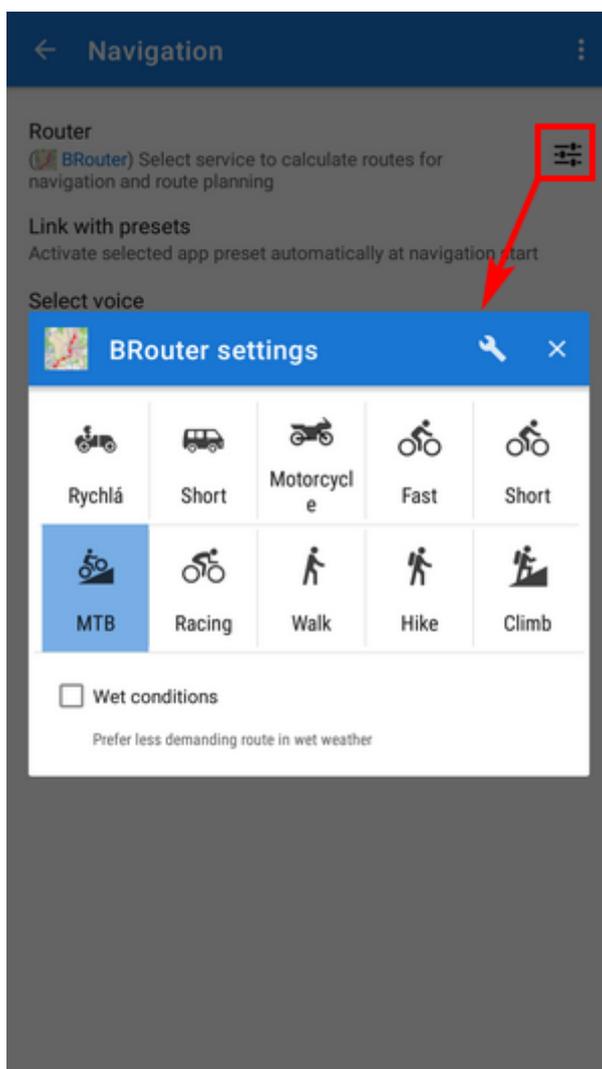

  - select Download manager

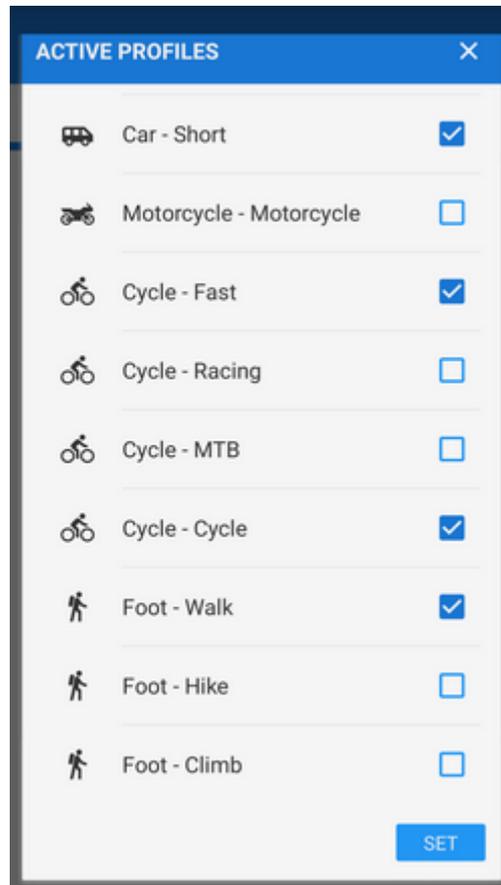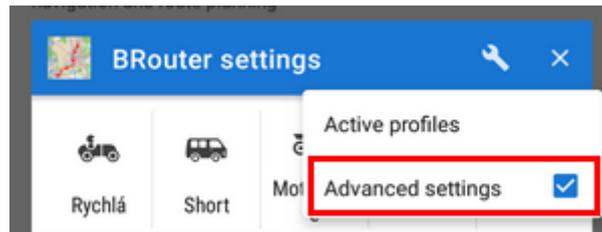 - zoom in and select the area you need for offline routing

○ Confirm downloading of the selected data file.

Offline routing engine BRouter offers much more sophisticated profile settings than any other services. Not only you can add more conditions relevant to various means of transport,

you can also change the profile selection:

BRouter can be used also with custom (non-Locus) profiles which is a bit advanced problematics. More info can be found here >>

> BRouter provides also an alternative route planning methods engaging "via" and "nogo" points >>

- **GraphHopper** - BETA version of an offline version of the routing engine. This option is displayed when a special add-on is installed. More information here >>

Select voice

- **No voice** - voice commands are disabled
- **Text-to-speech** - Android text-to-speech automatic system.

It is possible to download other voice sets from the Locus Store or from Locus community.

Route re-calculation

This option is available to Locus Map Pro users only.

Recalculates the route automatically if the deviation from the former route is greater than the parameter below. Needs internet connection in case an online routing service is selected (e.g. MapQuest or YOURS). For offline routing it is necessary to additionally download and install BRouter co-app and download offline routing data. If you do not follow the recalculated route, Locus recalculates again after **30 seconds**. There are 3 options:

- **No auto recalculation** - the function is switched OFF - Locus switches to guidance to the nearest point of the original route
- **Point priority** - Locus recalculates the route to the nearest transit (or 'via') point on the planned route. If there are no 'via' points, it recalculates the route to the final point.
- **Route priority** - used when you deviate from the original line and want to get back to it - Locus navigates you to the original line as soon as possible and on the nearest place - the line (route) matters.

Maximum allowed deviation

Deviation distance value in metres triggering auto recalculation.

Out of route notification

Check this option if you want Locus Map to warn you when you accidentally leave your route. Set the alert distance, alert repetition and type of sound (beep, voice…).

Advanced settings

- **Strict route following** - each route consists of a chain of routepoints (sort of breadcrumbs). This option navigates strictly from one routepoint to another. When you make a deviation, it tries to get you to the last omitted routepoint.

  Keep in mind that this feature may come into conflict with your intentions e.g. when making unwanted detour and part of the original route is not accessible - it will keep navigating you to the nearest missed routepoint. If you want to skip a routepoint, switch it manually to the next **nearest point** in the Navigation control menu.

  This feature does not work when Auto-recalculation with Point priority is

⚠️ **ON**.

- **Invalid distance** - sets maximum allowed deviation from the route before switching navigation to guidance
- **Snap to route** - ignores slight inaccuracies of GPS positioning and maintains the navigation cursor position on the navigated route
- **Number of commands** - manually drawn or imported routes do not contain navigation commands so when you select navigation along such a route, Locus has to generate the navigation commands according to the shape of the line. This setting defines number of these commands: none - low - medium - high.
- **Two commands at once** - when two turns of a route follow closely, Locus Map notifies of both of them at once. Unchecking divides the navigation command into two separate ones.

Style on Map

Color

Sets the color of navigation lines and texts.

Width of route

Defines width of the route line in pixels.