



Image map calibration

About

This feature enables calibrating of an image of map and placing it over a background map. For example when you go to the ZOO or a park simply take a picture of its detailed plan displayed on a board at the entrance. After that you can calibrate the photo according to your background map and use it for your further navigation. **This option is available only to Locus Map Pro users.**

1. Get a map picture

- open the function in **Menu > More functions > On-board Map Calibrator**, a dialog appears
- tap **Take** to take a photo with you phone camera - the more quality camera, the better
- or **Select** to choose the photo from your device memory, from Dropbox etc.




We recommend to **copy the image** from your PC/scanner/internet or a DSLR camera to your Dropbox or the phone memory before selecting it to get better results

2. Calibrate the map picture

- tap *Add* and choose a **distinct point** (a hill summit, crossroads etc.) on your picture

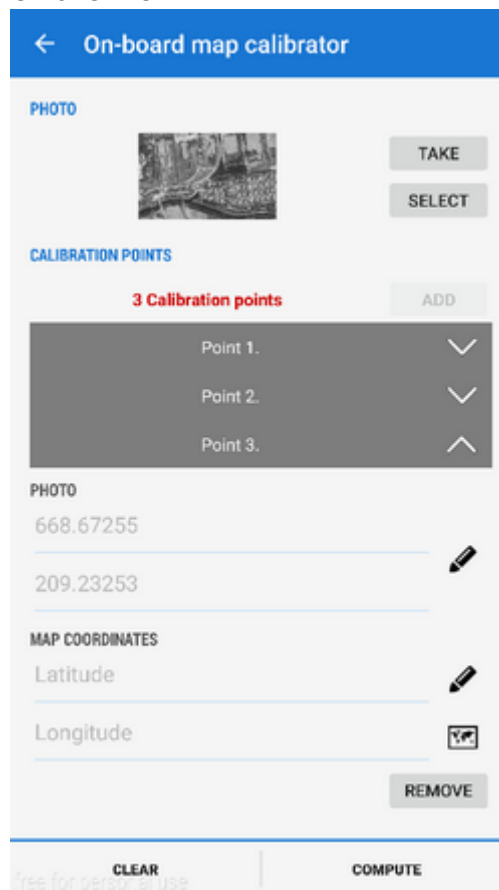


- tap  in *Map coordinates menu* and choose **the same point** on your background map



- repeat this procedure **4 times** - try to select points making a rectangle. You can edit their

positions by tapping  or remove them.



The screenshot shows the 'On-board map calibrator' app interface. At the top is a blue header with a back arrow and the title 'On-board map calibrator'. Below the header, there is a 'PHOTO' section with a small image of a city street and two buttons: 'TAKE' and 'SELECT'. Underneath is the 'CALIBRATION POINTS' section, which shows '3 Calibration points' in red text and an 'ADD' button. A list of three points is displayed: 'Point 1.', 'Point 2.', and 'Point 3.', each with a downward arrow icon. Below the points is another 'PHOTO' section with two input fields containing the numbers '668.67255' and '209.23253', each with a pencil icon to its right. Underneath these is the 'MAP COORDINATES' section with two input fields labeled 'Latitude' and 'Longitude', each with a pencil icon to its right. At the bottom right of this section is a 'REMOVE' button. At the very bottom of the app, there is a status bar with 'CLEAR' and 'COMPUTE' buttons, and a small text 'free for personal use' on the left.

3. Generate your calibrated map

- when you are ready with your four points the status line **turns green** and the *Create* button activates

← Image map calibration

PHOTO

TAKE
SELECT

CALIBRATION POINTS

4 Calibration points ADD

Point 1. ▾
Point 2. ▾
Point 3. ▾
Point 4. ▴

PHOTO
3836.2302
909.0008

MAP COORDINATES

CLEAR CREATE

- calibration points overview appears - indicates their **deviation**.

CREATE NEW MAP

NAME

Name

SETTINGS

☒ Optimize map
Divide the map image into smaller maps bundled into one file. Highly recommended!

PARAMETERS

Deviation of point 1
23 m

Deviation of point 2
23 m

Deviation of point 3
13 m

Deviation of point 4
13 m

Create map from current configuration?

NO CREATE

When it is not too significant you can name the new map and proceed to its rendering



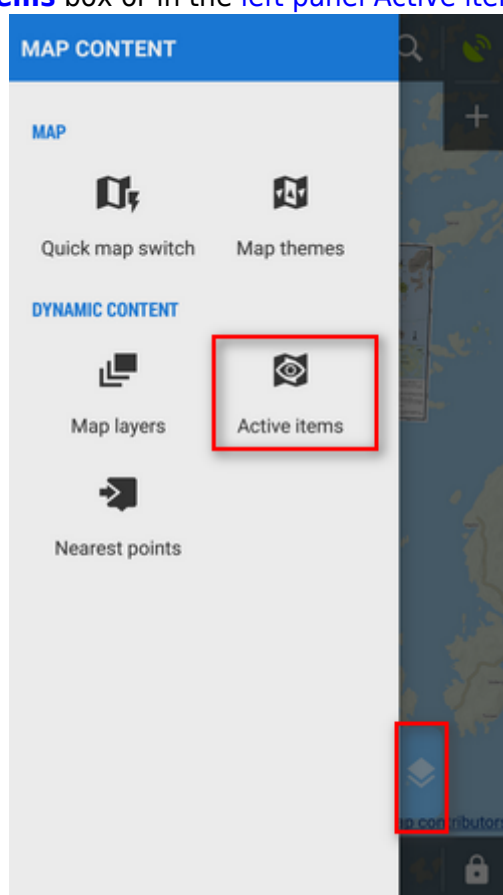
If you have chosen a big image it is highly recommended to check **Optimize map** to divide the map image into many small maps (tiles) bundled into one file.

4. Use the calibrated map

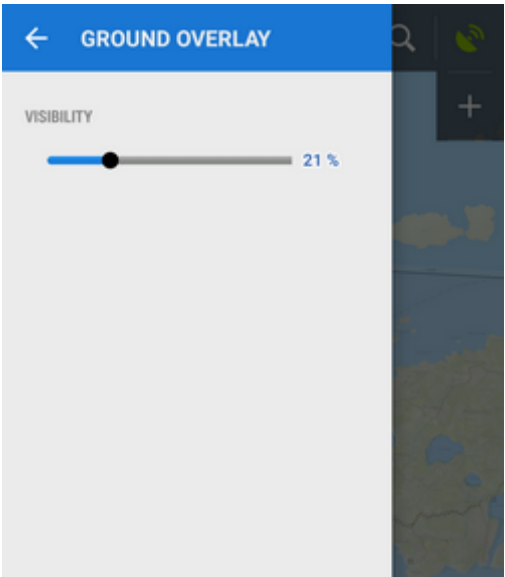
Your calibrated map appears now as an **overlay**



and can be managed in **Map Items** box or in the **left panel Active items** tab.



You can change opacity of the calibrated map by selecting it and moving the opacity slider:



From:
<https://docs.locusmap.eu/> - **Locus Map Classic - knowledge base**

Permanent link:
https://docs.locusmap.eu/doku.php?id=manual:user_guide:maps_tools:calibrator&rev=1481728893

Last update: **2016/12/14 15:21**

