

Cell Searcher for Android

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<http://cellsearcher.net>

1. What is Cell Searcher?

Cell Searcher is a free application for the Android operating system that can be used to locate GSM/UMTS cell towers.

2. Where to download Cell Searcher?

The program can be downloaded at the Android Market. Visit <http://cellsearcher.net> to get the link to the Android Market webpage.

3. How to use Cell Searcher?

At the startup the program tries to load cells data from a file. The file should be placed in the folder cellsearcher. If the folder does not exist, create it in the root folder on your SD card. The file with cells data should have the *clf* extension and the following format:

```
MCCMNC;CID;LAC;RNC;POS-LAT;POS-LON;POS-RAT;DESCRIPTION;RFU
```

for example:

```
//cell list exchange format v3.0//  
26006;02001;00022;00022;50.073889;19.9125;0;cell description;0  
26006;02002;00022;00022;50.073889;19.9125;0;cell description;0  
26006;02004;00022;00022;50.0525;19.955833;0;cell description;0  
26006;02005;00022;00022;50.0525;19.955833;0;cell description;0
```

If the file is not found then the program will automatically switch to using the OpenCellID.

Cell Searcher saves log files containing information about cell stations that the device was connected to. The file format is as follows:

```
yyyy/mm/dd;hh:mm:ss;short-cellid;cid;lac;mcc;mnc;rnc;signal;cell-lon;cell-lat;n/a;n/a
```

for example:

```
2011/9/13;12:38:37;2517;1444309;22;260;6;22;-77;19.95197335;50.08101834;n/a;n/a  
2011/9/13;12:39:59;2518;1444310;22;260;6;22;-77;19.95155123;50.08205579;n/a;n/a  
2011/9/13;12:40:40;2518;1444310;22;260;6;22;-83;19.94953643;50.07923574;n/a;n/a  
2011/9/13;12:41:2;2181;1443973;22;260;6;22;-83;19.94867287;50.07798495;n/a;n/a
```

4. What languages are supported?

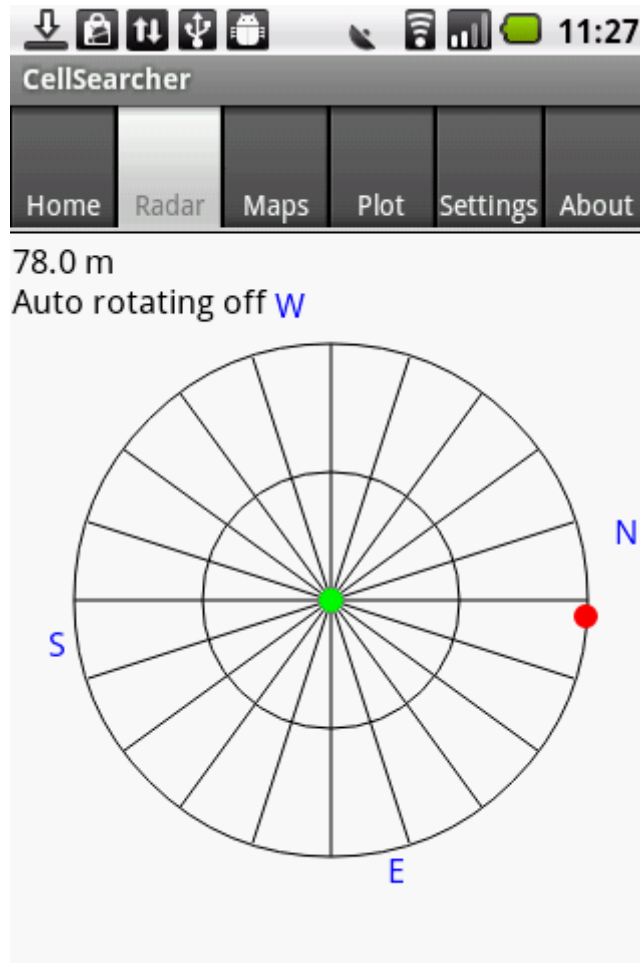
Currently, Cell Searcher supports Polish and English. Contact me if you would like to translate Cell Searcher into your native language.

5. Screenshots

Home view

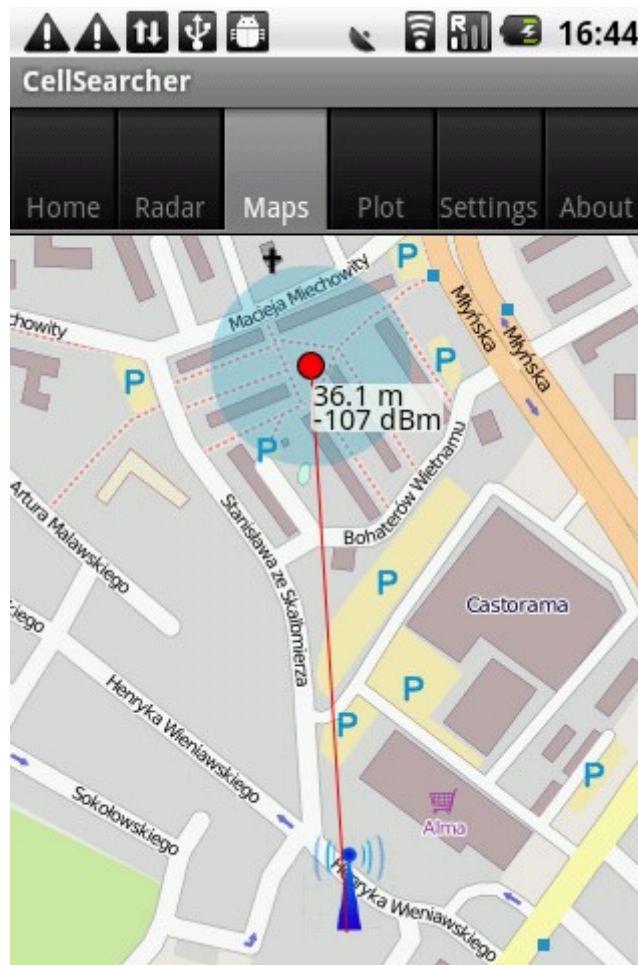


Radar view



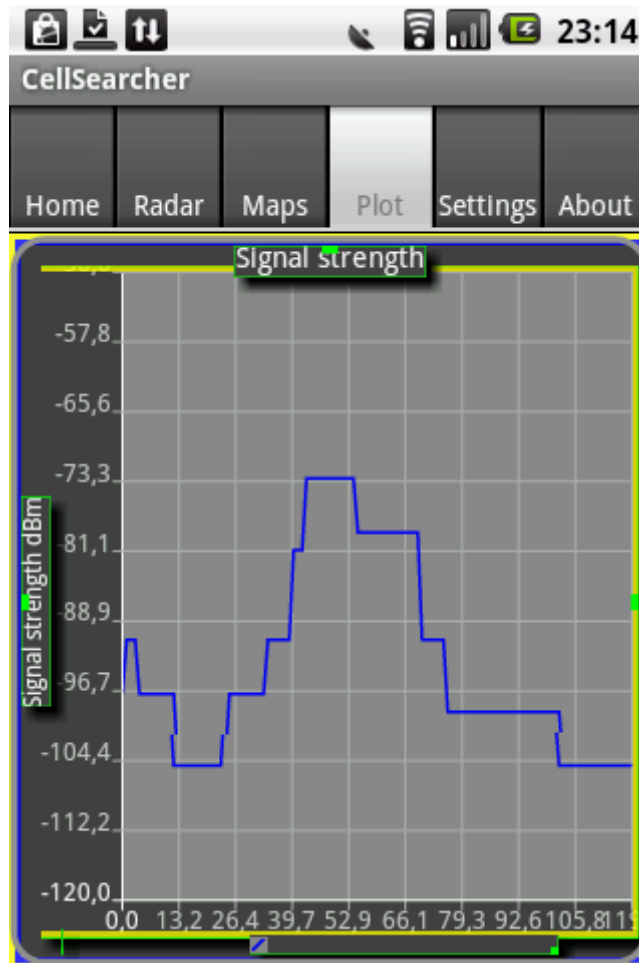
The red dot shows the station location. Long click will switch the radar view to the auto rotation mode.

Map view



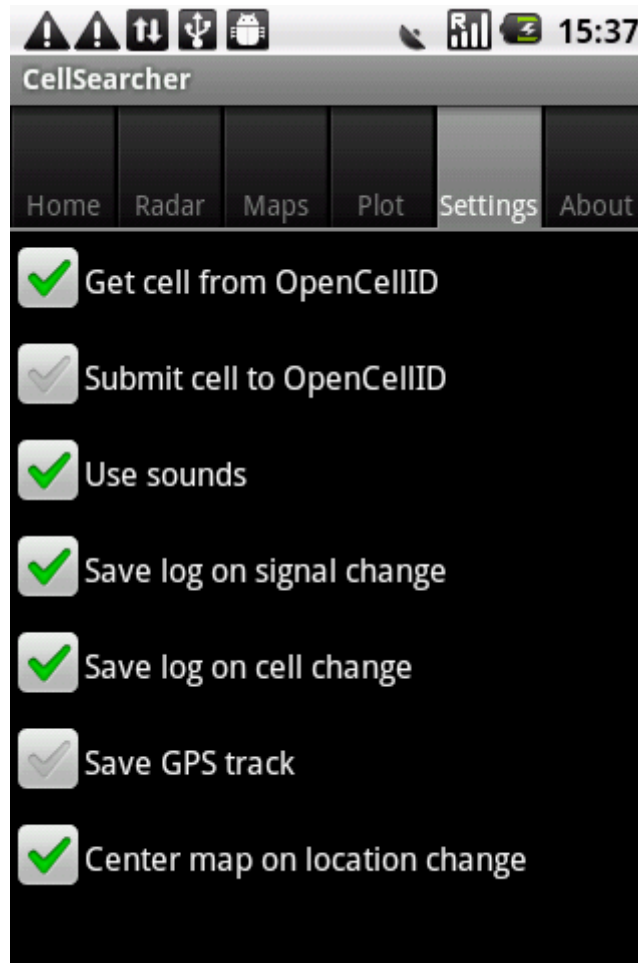
The red dot shows the device location. The blue area around the red dot corresponds to the location accuracy. The dark blue icon shows the cell location. The stations that the device is not connected to are marked with dark gray icons. Below the red dot is displayed the signal strength and the distance between the device and the current station. Long click on the icon will display additional info about the station.

Plot view



The plot view shows the signal strength changes over the past twenty seconds.

Settings view



- *Get cell from OpenCellID* – retrieve station location from the OpenCellID;
- *Submit cell to OpenCellID* – send locations to the OpenCellID database;
- *Use sounds* – beep on station change;
- *Save log on signal change* – save log file on the signal strength change;
- *Save log on cell change* – save log file on the current station change;
- *Save GPS track* – save subsequent devices locations in a *gpx* file. The file can be opened in many programs (for example Google Earth);
- *Center map on location change* – if set, the map will be centered at the device location.

6. Further development

If you have any questions, suggestions or bug reports feel free to email the author at *rafal (at) cellsearcher dot net*. Please visit also the program's web page <http://cellsearcher.net>.

7. Other useful programs

- [Duplicate Files Searcher](#)
- [Similar Images Finder](#)