

CELL SEARCHER

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1. What is Cell Searcher?

Cell Searcher is a free java program that can be used to monitor GSM and UMTS networks. The program makes it possible to obtain cell information and save it.

2. How to install Cell Searcher?

Download the *cellsearcher.zip* file and unpack it. Copy the *cellsearcher.jar* and *cellsearcher.jad* to your device. On the device, launch the *cellsearcher.jad* and the installation process should start. After the installation the program should be available in the „Applications” menu on you device.

3. Where to put cell database file?

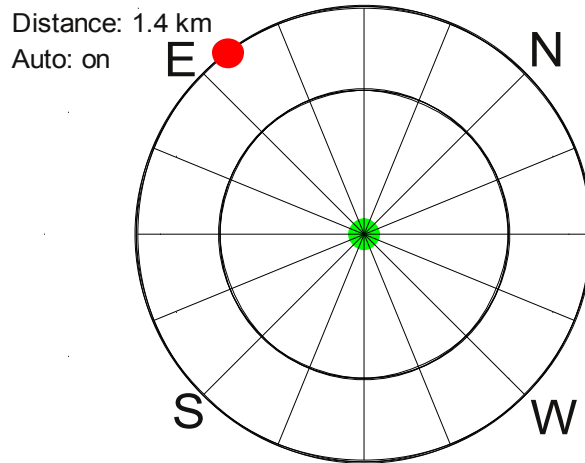
In order to display more detailed information about the current cell, the program can load a cell database file that contain additional information (e. g. cell detailed description or location). The database file should be in the .clf format and should be placed in one of the root directory on the device (e. g. C:\ or E:\). The database must use Unicode encoding.

4. Screens descriptions



Cell information screen

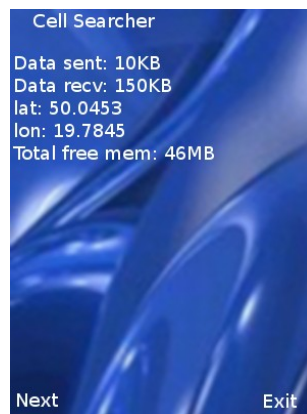
- Short CellID – short cell identifier = $\frac{Long\ CellID}{65536}$
- Long CellId – long cell identifier = $(65536 \cdot RNC) + Short\ CellID$
- Net – Network name
- Lac – Local area code
- Signal Strength – signal level in dBm
- clat – cell latitude
- clon – cell longitude



Radar screen

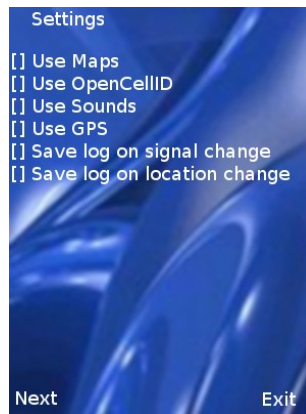
- red dot shows the cell location;
- green dot shows the device location;
- distance – distance between device and the current cell;
- Auto – the current radar rotation mode. Press “5” to switch between the modes.
 - Auto: on – the radar is automatically rotated according to the current direction of the device movement.
 - Auto off – manual radar rotation. Press “6” to rotate clockwise and “4” to rotate counter-clockwise.

If the program uses maps, press “*” or “#” to zoom in and out the map. The red dot on the map shows the cell location and the green one shows the device location.



Additional information screen

- Data sent – number of bytes sent through Internet connection;
- Data rcv – number of bytes received through Internet connection;
- lat: current device latitude;
- lon current device longitude;
- Total free mem – total free memory available on the device;



Settings screen

- Use Maps – If this option is set, the program will download and display a map from the OpenStreetMaps service. The cell location is marked with a red dot and the current device location is marked with a green one.
- Use OpenCellId – If this option is set, the program will submit cell information to the free cell database OpenCellId. If necessary, the program can also retrieve cell information (e. g. cell location) from the database.
- Use Sounds – If set, the program will notify the user upon the current cell change.
- Use GPS – If set, the program will use the embedded GPS receiver to get the current device location.
- Save log on signal change – If set, the program will save log file on cell signal change. The log file is saved in one of the roots directories and its name starts with “cellsearcher_log”.
- Save log on location change – If set, the program will save log file upon device location change.



About screen

5. Future development

All your feedback (e. g. comments, bug reports, feature requests, etc.) is appreciated. Send your feedback to rafal@cellsearcher.net

6. Project history

- Version 0.3.18 – the first release (29.09.2010)

7. Other software

- <http://duplicatefilessearcher.net/>
- <http://free-youtube-downloader.org/>