## Software/Desktop

< Software

This page lists all software used by OSM or using maps/data from OSM on desktop devices (PCs, Macs and laptops).

**Contents**

**General information**

| Name | Genre | Screenshot | Windows Versions | Mac Versions | Linux Versions | Framework | Display map | Navigate | Make track | Monitor | License | Price | Languages | Version | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AlaCarte [1] (http://alacarte-maps.github.io/) | renderer | | win | no | linux | Cairo | yes | no | no | no | GNU AGPL 3+ | free | EN | 2016-12-28 0.4 | Tile renderer written in C++11, using Cairo for rendering and Boost-Spirit for MapCSS parsing. |
| ArcGIS Editor for OSM [2] (https://github.com/Esri/arcgis-osm-editor) | display; editor; analyse | | win; win2k; winxp | no | no | ? | yes | no | no | no | Apache License 2.0 | free | En | 2018-01-27 10.6 | Allows users to download, edit, and upload OSM data in ArcMap, and/or create feature services based on OSM data in ArcGIS Server |
| Autosputnik 5 [3] (http://autosputnik.com) | display; navi; router | | win; win2k; winxp | no | no | proprietary | yes | yes | no | yes | proprietary | free | EN; RU; UA; BY; KZ; UZ | 2015-01-13 5.1 | Easy and nice UI, web-like search, routing, navigation. OSM support: http://openstreetmaps.ru |
| BaseCamp [4] (http://www.garmin.com/us/products/onthetrail/basecamp) | display | | win; winxp | macos | no | ? | yes | no | no | no | proprietary | free | ? | 2021-05-19 4.7.4 | BaseCamp is software for viewing maps, waypoints, routes and tracks, and transferring them to or from a Garmin GPS device. |
| Cartagen [5] (http://www.cartagen.org) | renderer | | win | macos | linux | HTML5 | ? | ? | ? | ? | ? | ? | EN | 2018-08-21 ? | |
| CartoType Maps App [6] (https://www.cartotype.com/the-maps-app) | display; navi; router; renderer | | win | macos | linux | CartoType | yes | yes | yes | yes | commercial | free | EN | 2021-10-18 7.6 | a multi-platform desktop application for viewing maps, calculating routes, finding places, creating map images, and adding your own map data |
| Ceyx | renderer | | win | macos | linux | ? | ? | ? | ? | ? | GPL v2+ | free | EN | 2010-10-01 (no stable release) | |
| Cruiser [7] (http://www.talent.gr/public/cruiser/) | display; navi; router; renderer | | win | macos | linux | Java | yes | yes | no | no | proprietary | free | EN | 2021-12-25 2.1.2 | Cruiser is a map and navigation platform for Android and Desktop. |
| florb [8] (http://florb.shugaa.de) | display; logger; | no | no | linux | FLTK | yes | no | yes | yes | MIT | free | DE; EN; | 2016-02-28 1.1 | A simple map viewer and GPX editor |
| FoxtrotGPS [9] (http://www.foxtrotgps.org/) | display; logger | | no | no | linux | GTK+ | yes | no | yes | yes | GPL | free | BG; CS; DE; EN; FI; FR; HU; NL; RU; SK | 2019-07-10 1.2.2 | Simple mapping application (fork of tangoGPS) |
| Geotransformer [10] (https://www.mchme.de/geotransformer.php) | analyse | | win | macos | linux | .NET | yes | no | yes | no | commercial | 11.95€ | DE; EN | 2020-12-11 1.1.0 | GPS Route converter and database of POIs and Routes |
| Google Sketchup Plugin [11] (https://github.com/vvoovv/skp2osm/) | editor | | win | macos | no | ? | no | no | no | no | BSD | free | EN | 2017-08-27 ? | Plugin to use OSM in the SketchUp editor |
| GPS TrackMaker [12] (http://www.trackmaker.com/) | editor | | win (XP, Vista, 7, ?) | no | no | ? | yes | no | yes | yes | proprietary (free and paid version available) | free / 167.44 € | EN; ES; PT | ? 13.9 | GPS down/upload, track edit, tour planning (no routing), ... |
| GPS-Mate [13] (http://www.gps-mate.com) | navi; logger; router; | | win | no | no | ? | yes | yes | yes | yes | proprietary | 23€ | DE; EN | 2010-05-31 2.2.2 | |
| GpsDrive [14] (http://www.gpsdrive.de) | logger; display | | no | macos | linux | GTK+ | yes | yes | yes | yes | GPL 2+ | free | EN; DE; DA; EL; ES; ET; FR; GL; HU; ID; IT; JA; NB; NL; PA; RO; RU; SK; SV; TR; VI; ZH | 2012-07-21 2.12svn2685 | Image: OpenCycleMap downloaded on the fly |
| GPSlog [15] (http://www.jcartier.net/gps/gpslog.zip) | logger | | win | no | no | RapidQ | no | no | no | no | GPL | free | EN; FR | 2004-08-13 1.0 | Console based GPX logger |
| GpsMaster [16] (http://www.gpsmaster.org) | display; editor; converter; analyser | | win | macos | linux | ? | yes | no | no | no | GPL | free | EN | 2021-06-04 0.64.01rc1 | Map Viewer, GPX Viewer, Tour Analyser, Track Editor, Trip Planner, File Format Converter |
| GpsPrune [17] (http://gpsprune.activityworkshop.net/) | display; analysis | | win | macos | linux | J2SE | yes | no | yes | no | GPL | free | CZ; DE; EN; ES; FR; HU; IT; JA; KO; NL; PL; PT; RU; ZH | November 2021 21 | Track editor, analyser, creator and converter |
| gpsVP [18] (https://github.com/jerome077/gpsvp) | navi | | win | no | no | ? | yes | yes | yes | yes | BSD | free | | 2012-02-05 0.4.24 | |
| GPX Viewer [19] (https://code.launchpad.net/gpx-viewer) | display; analyse | | no | no | linux | GTK+ | yes | no | no | yes | GPL | free | AR; CS; DE; EN; ES; HU; IT; RU; UK; ZH | 2013-11-30 0.4 | A simple tool to visualize tracks and waypoints stored in a gpx file |
| gpxmap [20] (http://labs.wirelesscouch.net/projects/gpxmap/) | renderer; analyse | | win | no | linux | Processing | ? | ? | ? | ? | GPL | free | EN | 2010-09-02 0.5 | Renders GPX to image |
| GPXSee [21] (http://www.gpxsee.org) | display; analyse | | win | macos | linux | Qt | yes | no | no | yes | GPL | free | CA; CS; DA; DE; EN; EO; ES; FI; FR; HU; IT; KO; NO; PL; PT-BR; RU; SV; TR; UK; ZH | 2023-05-21 13.3 | GPX, TCX, KML, FIT, IGC, LOC, SLF, CUP, GPI, OziExplorer (PLT, RTE, WPT) and NMEA viewer and analyzer |
| GPXViewer [22] (https://github.com/andrewgee/gpxviewer) | display; analyse | | no | no | linux | GTK+ | yes | no | no | no | GPL | free | CS; DE; EL; EN; ES; FR; HR; IT; JA; NL; PL; PT; RU; SL; SV; TH; UK; ZH | 2020-04-25 1.1.0 | Allow users to easily view GPS traces they have created in the GPX file format |
| GraphHopper [23] (http://graphhopper.com/) | router; navi | | win | macos | linux | ? | ?yes | ? | ? | ? | Apache License 2.0 | free | EN | 2021-09-29 4.0 | Routing server and Android library |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Halcyon | renderer | | win | macos | linux | ? | ? | ? | ? | ? | ? | ? | EN | ? | |
| Jagme [24] (https://code.google.com/archive/p/jagme/) | display; analyse | | win | macos | linux | J2SE | yes | no | no | yes | GPL | free | DE; EN; HU | 2010-03-02 0.0.3 | A tool providing map-based services |
| Java Applet | editor | | win | macos | linux | ? | ? | ? | ? | ? | GPL | free | EN | 2007-12-24 ? | discontinued, replaced by Potlatch |
| JGPSTrackEdit [25] (http://sourceforge.net/projects/jgpstrackedit) | editor | | win | macos | linux | ? | yes | yes | ? | yes | GPLv3 | free | EN; DE | 2021-04-24 1.7.2-RC1 | Tool for editing gps tracks and planning (multiple days) tours. |
| JOSM [26] (https://josm.openstreetmap.de) | editor | | win | macosx | linux | Java SE | yes | ? | ? | ? | GPL | free | BG; CS; DA; DE; EN; EN-CA; EN-AU; EN-GB; EL; ES; ET; EU; FI; FR; GL; HU; ID; IT; JA; NB; NL; PL; PT; PT-BR; RU; SK; SV; TR; UK; ZH-CN; ZH-TW; | 2021-11-01 18303 | Offline highly expandable map editor |
| Justmapzz [27] (https://www.justmapzz.com/) | display | | yes | no | no | .NET | yes | yes | yes | yes | proprietary | 6.95 € | EN | ? 6.0.5 | map viewer, multiple map sources, route calculations, hybrid routing, track creation+import/export, favourites, streetview. |
| Kogutowicz [28] (http://code.google.com/p/kogutowicz/) | renderer | | win | macos | linux | ? | ? | ? | ? | ? | Apache | free | EN | 2010-06-06 0.2 | under development |
| Kosmos [29] (http://downloads.igorbrejc.net/osm/kosmos/) | renderer | | win | | | ? | ? | ? | ? | ? | proprietary | free | EN | 2009-06-05 2.5.405.6 | deprecated, sucessor is Maperitive |
| LiveMapViewer [30] (http://gpsmid.sourceforge.net/misc/LiveEditMapViewerJ.jar) | display | | win | no | linux | ? | yes | yes | no | no | proprietary | free | ? | ? | Simple tool to see live changes in OSM. |
| LocationWizard [31] (http://locationwizard.com/) | display; navi; analyse; | | win; winxp; win7,vista | no | no | Qt | yes | no | no | no | proprietary | 85$ | EN | 2011-07-30 1.1 | Map multiple addresses, find nearby client |
| luckyGPS [32] (http://www.luckygps.com) | navi; logger; router | | win | no | linux | QT | yes | ? | yes | ? | GPL | free | DE; EN; HU | 2010-11-22 0.751 | |
| MapDiff [33] (http://www.refnum.com/projects/osm//mapdiff) | analyse | | win | macos | linux | ? | ? | ? | ? | ? | BSD | 20$;35€ | EN | 2008-03-06 1.0 | Visualizes User Activities |
| Maperitive [34] (http://maperitive.net) | renderer | | win | no | linux | .NET; Mono | ? | ? | ? | ? | proprietary | free | EN | 2011-11-08 2.3.32 | Desktop based |
| mapFactor Navigator free [35] (http://www.mapfactor.com) | navi | | win | no | no | ? | yes | yes | yes | yes | proprietary | free | CZ; DE; EN; RU; ... | 2013-05-20 12.1.10 | professional framework for OSM-based car navigation |
| Mapgen.pl | renderer | | no | no | linux | ? | ? | ? | ? | ? | ? | ? | EN | 2010-11-17 1.12 | easy to use cause limited concept |
| Mapnik [36] (http://mapnik.org) | renderer | | win | macos | linux | ? | ? | ? | ? | ? | LGPL | free | EN | 2021-01-08 3.1.0 | |
| MapOSMatic [37] (https://print.get-map.org/) | renderer | | win | macos | linux | Django | ? | ? | ? | ? | AGPLv3 | free | 7 | 2021-12-17 (unstable) | Mapnik render and streetlist |
| Maps4Mac [38] (http://code.google.com/p/maps4mac) | display; navi; logger | | no | macos | no | Cocoa; PyObjC | yes | yes | yes | yes | GPL | free | EN | 2011-03-23 Beta 2 | An offline map browser for MacOS |
| Maptitude Mapping Software [39] (http://www.caliper.com/Maptitude/MappingSoftware.htm) | display; editor; renderer; converter; analyser; gis | | win | no | no | .NET | yes | yes | no | no | proprietary | $395,00 - $695,00 | EN | 2021-04-28 2021 | a proprietary, Windows Desktop Geographical Information System, GIS Software |
| Maptorium Tiles downloader [40] (https://github.com/gunyakov/maptorium) | display; downloader; | | win | mac | linux | nodejs 16+ | yes | no | no | no | LGPL | free | EN | 2022-08-18 0.8.9 | Tiles map mass downloader for using it offline. Based on Leaflet and write on nodejs to run on remote servers. |
| Marble [41] (http://marble.kde.org) | display | | win | macos | linux | QT; | yes | yes | yes | yes | LGPL | free | DE; EN; ... | ? 2.2.0 | Virtual globe with multiple projections, tiles and vector data, routing and POI search |
| MB-Ruler [42] (http://www.markus-bader.de/MB-Ruler) | analyse | | win | no | no | GTK+; mono; JME; OpenGL; | ? | ? | ? | ? | proprietary | free | DE; EN; ... | ? 5.4 | Onscreen triangular ruler and protractor |
| Memphis [43] (http://trac.openstreetmap.ch/trac/memphis/) | renderer | | win; win2k; winxp | no | linux | eXpat; Cairo; Glib | ? | ? | ? | ? | LGPL | free | EN | 2011-03-20 0.2.4 | map rendering application and library |
| Merkaartor [44] (http://merkaartor.be) | editor | | win | macos | linux | Qt4 | ? | ? | ? | ? | GPL | free | EN | 2021-08-27 0.19.0 | Good editor with styling |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| mkgmap [45] (http://www.mkgmap.org.uk) | |  | win | macos | linux | Java SE | ? | ? | ? | ? | GPL | free | ? | 2021-12-30 4839 | Make OSM maps for your Garmin device |
| MoNav [46] (http://code.google.com/p/monav/) | display; router; navi |  | win | no | linux | Qt | yes | yes | yes | no | GPL | free | EN | 2011-04-23 0.3 | Contraction Hierarchies routing, custom speed profiles, extremely fast and resource conservative routing, can handle huge graphs like Europe on mobile devices. Only source code available for download - has to be compiled by yourself! |
| Mumpot [47] (http://www.mumpot.org) | navi; logger; router; editor |  | no | no | linux | GTK | yes | ? | yes | ? | GPL | free | DE; EN; ... | 2009-04-20 0.6 | Touchscreen based Data editor |
| NASA World Wind [48] (http://www.worldwindcentral.com) | display; analyse |  | win | macos | linux | OpenGL; | yes | ? | ? | ? | ? | ? | EN | 2020-08-12 2.2.0 | 3D Globe that can be extended by a lots of AddOns, Layers,... |
| NAVeGIS [49] (http://sourceforge.net/projects/navegis/) | navi |  | wince | no | no | .NET | yes | yes | yes | yes | GPLv3 | free | EN; ES; FR; GE; GR; IT | 2020-09-14 2.0.1.19 | |
| Navio [50] (http://www.tinystocks.com/gps.html) | navi; logger; |  | win | no | no | ? | yes | yes | yes | yes | 25$ | ? | EN | ? 3.15 | |
| NaviPOWM [51] (http://sourceforge.net/projects/navipowm/) | navi; logger; router |  | win | no | no | ? | yes | yes | yes | yes | GPL | free | EN | 2011-07-05 0.2.6 | |
| Navit [52] (http://www.navit-project.org) | navi; logger; router |  | win | no | linux | GTK+; SDL; OpenGL; | yes | yes | yes | yes | GPLv2 | free | 43 | 2021-03-06 0.5.6 | Most popular OpenSource Car navigation tool; maps (offline-"custom"), vector-rendered |
| Navitel [53] (https://navitel.ru/en) | navi |  | wince | no | no | ? | yes | yes | yes | no | proprietary | 17€ | EN; RU | ? ? | Popular in Russia |
| NavSys [54] (http://www.navsys.org) | navi; logger; router |  | no | no | linux | Cairo; | yes | yes | yes | yes | GPL | free | EN | 2005-03-11 0.0.9 | Navi and Mediaplayer |
| Nomino [55] (http://nomino.openstreetmap.fr/) | editor | | win | macos | linux | Web | yes | ? | ? | ? | AGPL | free | EN; FR; CA | 2014-01-06 ? | |
| Open Car InfoTainmenT system [56] (http://www.opencit.org) | navi; router |  | win; win2k; winxp | no | linux | ? | yes | no | yes | no | GPL | free | EN | 2008-06-12 0.1.0-rc1 | Navi as part of an car infotainment system |
| OpenJUMP [57] (http://www.openjump.org/) | gis; viewer; analyse |  | yes | yes | yes | Java SE | yes | no | no | viewer | GPL | free | EN | 2021-01-03 1.16 | OpenJUMP is an open source GIS written in the Java programming language, its particular strength is the editing of geometry and attribute data |
| Open Source Routing Machine [58] (http://project-osrm.org/) | router |  | no | macos | linux | ? | ? | yes | ? | ? | BSD | free | EN | 2021-09-21 5.26.0 | Routing server, Contraction Hierarchies routing, extremely fast |
| OpenStreetMap-in-a-Box (osminabox) [59] (https://dev.ifs.hsr.ch/projects/osminabox/wiki) | renderer, converter |  | win, win2k, winxp | no | | ? | yes | ? | ? | ? | New BSD License | n/a | EN; DE | 2013-03-31 1.1 | A ready-made map and geodata server including a highly configurable converter which synchronizes OpenStreetMap data. |
| OSM2Go [60] (http://www.harbaum.org/till/maemo/index.shtml#osm2go) | logger; editor |  | no | no | linux | GTK | yes | no | yes | no | GPL | free | EN | 2020-12-06 0.9.17 | Mobile, touchscreen based editor |
| OSM2Palm [61] (http://???) | navi; logger; display |  | win | no | no | ? | yes | no | yes | yes | GPL | free | EN | 2009-05-24 1.6 | |
| OSM2World [62] (http://osm2world.org) | converter |  | win | yes | linux | ? | ? | ? | ? | ? | LGPL | free | EN | 2019-06-23 0.2.0 | Creates a 3D model of the world from OSM data. |
| Osm2xp [63] (http://osm2xp.com) | flight simulators scenery generator |  | win | no | linux | ? | ? | ? | ? | ? | GPL v3 | free | EN | 2012-08-03 2.0.2 | osm2xp generated scenery under x-plane 10. |
| Osmarender | renderer |  | win | macos | linux | XSLT parser | ? | ? | ? | ? | GPL | free | EN | ? | |
| Osmbrowser [64] (https://forum.openstreetmap.org/viewtopic.php?id=7901) | display | | no | no | linux | wxwidgets; Cairo | ? | ? | ? | ? | ? | ? | EN | 2012-10-17 ? | Viewer for large OSM files |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| osmeditor | editor | | win | macos | linux | Django | ? | ? | ? | ? | GPL | free | EN | 2009-12-24 ? | discontinued |
| Osmeditor (QT) | editor | | win; win2k; winxp | no | linux | QT | ? | ? | ? | ? | GPL | free | EN | 2006-12-24 ? | discontinued |
| OSMembrane [65] (https://github.com/openstreetmap/osmembrane) | converter | | win | macos | linux | | ? | ? | ? | ? | GPL | free | EN | 2018-06-26 1.2.0 | Frontend for Osmosis |
| Osmrender.pl | renderer | | no | no | linux | | ? | ? | ? | ? | GPL | free | EN | ? | deprecated, successor is Mapgen.pl |
| OSMroute [66] (http://osmroute.gulpe.de) | display | | win | no | linux | GTK+ | yes | no | yes | no | GPL | free | EN | 2010-10-13 alpha | Very early stage! |
| OsmSharp [67] (http://www.osmsharp.com) | routing | | win; Windows Phone | no | linux | .NET; Mono | ? | ? | ? | ? | GPLv3 | free | EN | 2032-06-15 7.0.0-pre018 | OSM routing and optimisation library. |
| OziExplorer [68] (http://www.oziexplorer.com) | | | win | no | no | | ? | yes | yes | yes | yes | proprietary | 30€ | EN | 2016-02 3.95.6f | Feature-rich |
| PocketGIS [69] (http://www.pocketgis.biz) | display; navi; logger; router; analyse | | win; win2k; winxp | no | no | | ? | yes | yes | yes | yes | proprietary | 0 | RU; | 2011-04-16 0.95/0.60 "Сейда" | Easy and nice UI, web-like search, routing, navigation. |
| Potlatch 1 [70] (https://www.openstreetmap.org/edit?editor=potlatch) | editor | | win | macos | linux | ming | ? | ? | ? | ? | PD | free | DE; EN | 2010-12-24 1.4 | |
| Pyrender | renderer | | win | macos | linux | Cairo | ? | ? | ? | ? | ? | ? | EN | ? | |
| Pyroute [71] (https://svn.openstreetmap.org/applications/routing/pyroute/) | display; router | | win | no | linux | Cairo | yes | no | no | no | GPL | free | EN | ? | Routing tool, predecessor of rana |
| QGIS [72] (http://qgis.org/) | display; editor; renderer; converter; analyser; gis | File:Qgis08 grass6 toolbox.png | win | macos | linux | Qt | ? | ? | ? | ? | GPL | free | EN, ? | 2021-12-17 3.22.2 | a free, multiplatform GIS application |
| QGIS [73] (http://docs.qgis.org/1.8/en/docs/user_manual/osm/openstreetmap.html) | editor; converter; analyse | | win | macos | linux | QT | ? | ? | ? | ? | GPL | free | DE; EN | 2010-07-29 1.5 | Plugin adding OSM support to QGIS |
| QuoVadis [74] (http://www.quovadis-gps.com) | display; navi; logger; router; editor; renderer; converter; analyser | | win; winxp; win7; win8 | no | no | .NET | yes | yes | yes | yes | proprietary | 0,00 € - 279,95 € | DE; EN | ? 7.4 | |
| Rana | navi; logger; router | | no | no | | pyGTK; Cairo | yes | yes | yes | yes | GPL | free | EN | ? | Touchscreen based Navi |
| RiscOSM [75] (https://sinenomine.co.uk/software/riscosm/) | display | | no | no | no | | ? | yes | yes | yes | no | proprietary | £18 | EN | 2022-06-08 2.11 | Requires RISC OS |
| RoadMap [76] (http://roadmap.sourceforge.net) | display; router | | win | no | linux | | ? | yes | yes | yes | no | GPL | free | EN | 2009-02-02 1.2.1 | |
| RoadMap Editor [77] (http://www.freemap.co.il/roadmap/) | display; router | | win | no | linux | J2ME; Cibyl | yes | yes | yes | yes | no | GPL | free | EN; HE | ? | Fork of RoadMap |
| RoadNav [78] (http://roadnav.sourceforge.net/) | navi; router | | win | macos | linux | | ? | yes | yes | yes | no | GPL | free | EN | 2007-10-19 0.19 | |
| RouteConverter [79] (http://www.routeconverter.de/en) | analyse | | win | macos | linux | | ? | yes | no | no | yes | GPL | free | DE; EN; FR; NE; ES | 2021-09-07 2.30 | GPS routes analyser with an experimental branch for offline routing with mapsforge maps |
| Routino [80] (http://www.routino.org/) | router | | no | macos | linux | | ? | ? | ? | ? | ? | Affero GPLv3 | free | EN; DE; NL; FR; RU | 2020-12-30 3.3.3 | Flexible router with web interface and routing data analyser. |
| RTKLIB [81] (http://www.rtklib.com/) | positioning | | win | no | linux | Embarcadero / Borland VCL | ? | ? | ? | ? | BSD 2, GPL ≥ v3 for versions before and including 2.4.2b11 | free | EN | 2018-01-29 2.4.2 p13 | Open source program package for GNSS positioning |
| RTrender | display | | win | no | no | DirectX | ? | ? | ? | ? | proprietary | free | EN | 2010-10-30 ? | Realtime OSM rendering |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SAS.Planet [82] (http://www.sasgis.org/sasplaneta/) | display; logger | | win; win2k; winxp | no | no | CodeGear Delphi 2007 | yes | yes | yes | yes | GPLv3 | free | EN; RU | 2020-12-12 201212 | |
| ShareNav [83] (https://github.com/sharenav/sharenav/) | display; navi; logger; router; editor; renderer |  | win; win2k; winxp | macos | linux | Android; J2ME; java | yes | yes | yes | yes | GPLv2 | €2.99 on Google Play Store (may vary depending on local taxes) | EN; DE; FI; CS; PL; RU; FR; IT; ES; SK | 2012-11-12 0.8.8 | very portable navi for Android&J2ME mobile phones, uses offline vector maps, audio navigation |
| ShugenDoMap [84] (http://www.sakirsoft.com) | display |  | win | no | no | ShugenDo Engine | ? | ? | ? | ? | proprietary | free | EN | 2011-11-19 alpha | Realtime 3D OSM rendering on multiple platforms. |
| Spatial Manager Desktop™ [85] (http://www.spatialmanager.com/spm-desktop/) | display; converter |  | winxp; win7; win8; win8.1 | no | no | .NET | yes | no | no | no | proprietary | $149,00 - $499,00 | EN; ES | 7.0.3.11198 | Manage spatial data in a simple, fast and inexpensive way. Includes its own OSM data provider |
| Spatial Manager™ for AutoCAD [86] (http://www.spatialmanager.com/spm-forautocad/) | display; converter |  | win7; win8; win8.1 | no | no | .NET; AutoCAD API 2008-2015 | yes | no | no | no | proprietary | $99,00 - $179,00 | EN; ES | 7.0.3.11198 | Powerful AutoCAD plug-in. Imports spatial data in a simple, fast and inexpensive way. Includes its own OSM data provider |
| TangoGPS | |  | no | no | linux | ? | yes | ? | yes | yes | GPL | free | DE; EN; ... | 2010-06-25 0.99.4 | Logger even for heartrate-monitors! |
| TEAM - Tutor for editable audio maps [87] (http://team.sourceforge.net) | navi; logger; router; renderer |  | win; win2k; winxp; win7 | no | no | ? | yes | no | no | no | GPL | free | DE; EN | 2013-02-02 4.0 | Audible Maps Generator for accessibility |
| Track2Karte [88] (http://hj-schymura.de/index.php?Auswahl=Hilfe&Menuepunkt=Track2Karte) | analyse |  | win | no | no | ? | yes | no | no | no | proprietary | free | DE | 4.1 | Very Simple Track Viewer |
| TransCAD Transportation GIS Software [89] (http://www.caliper.com/tcovu.htm) | display; editor; renderer; converter; analyser; gis |  | win | no | no | .NET | yes | yes | no | no | proprietary | $6000 - $12000 | EN | 2018-03-08 8.0 | a proprietary, Windows Desktop Transportation Geographical Information System, GIS Software |
| Traveling Salesman [90] (http://sourceforge.net/projects/travelingsales/) | navi; router |  | win; win2k; winxp | no | linux | ? | yes | yes | no | no | GPL | free | EN | 2009-12-25 1.0.3-RC1 | Highly modular router |
| Trip4YouMaps [91] (https://maps.trip4you.net) | router; navi; tracker; display; converter |  | win | yes | yes | ? | yes | yes | yes | yes | proprietary | free | DE; EN; | 2023-04-27 2.0.61 | Trip4YouMaps is a modern App for Route planning, Navigation & Tracking; optimised for outdoor activities; different maps; up to 50 waypoints, routes can be saved, shared and exported as gpx-files; show path surfaces on the map; for Desktop, Android & iOS |
| Turbo GPS [92] (http://www.turboirc.com/tgps/) | |  | win | no | no | ? | yes | yes | yes | yes | proprietary | free | DE; EN; ... | 2012-09-07 2.73 | TurboGPS is a fast all in one GPS tool. Moving maps custom or online, tracks, way points. |
| VataviaMap [93] (https://vatavian.github.io/vataviamap/) | display | | win; win2k; winxp | macos | linux | .NET; mono | yes | no | no | no | GPL; Artistic License | free | EN | 2011-22-03 0.0.0.3 | Display for several map sources like OSM, Yahoo and others ... Desktop version requires .NET-Framework 2.0 or newer, tested with MONO-framework under Linux and MacOS |
| Viking [94] (http://viking.sourceforge.net/) | display; navi; logger |  | win | no | linux | GTK+ | yes | yes | yes | yes | GPL | free | CS; DA; DE; EL; EN; ES; FI; FR; HR; ID; IT; JA; LT; LV; NB; NL; PL; PT; RU; SL; SV; UK; ZH | 2021-11-27 1.10 | GTK+2 application to manage GPS data |
| VisualGPS [95] (http://www.visualgps.net/VisualGPS/) | logger; analyse |  | win | no | no | ? | yes | no | no | no | proprietary | free | EN | 2009-03-29 4.2 | GPS signal analyses |
| YAAC [96] (https://www.ka2ddo.org/ka2ddo/YAAC.html) | display; logger; tracker |  | win; win2k; winxp | macos | linux | JavaSE | yes | no | yes | yes | GPL | free | EN; ... | 2021-12-13 1.0-beta167 | Amateur Radio Automatic Packet Reporting System client written in Java that uses OSM data to render maps on the fly. Under active development with rapid development release cycle. |
| YourPocketMap [97] (http://ypm.101gr.com/) | display |  | no | no | no | ? | yes | no | no | yes | proprietary | free | EN | 2010-11-11 0.1.3 | |

This table in the past was generated automatically by a bot. Learn more.

**Map display features**

| Name | Shows map as vector | Shows map as bitmap | Stores map-data on-board | Stores map-data off-board (downloads from internet) | Rotate map | 3D view |
|---|---|---|---|---|---|---|
| ArcGIS Editor for OSM | yes | no | yes | yes | no | no |
| Autosputnik 5 | yes | no | yes | no | yes | yes |
| BaseCamp | yes | yes | yes | no | yes;no | yes |
| CartoType | yes | yes | yes | yes | yes | yes |
| Cruiser | yes | yes | yes | yes | no | ? |
| florb | no | yes | yes | yes | no | no |
| FoxtrotGPS | no | yes | yes (cache) | yes | no | no |
| Gnome Map Application | yes | yes | yes | no | ? | ? |
| Gosmore | yes | no | yes | no | yes | yes |
| GPS TrackMaker | ? | ? | ? | ? | ? | ? |
| GPS-Mate | no | yes | yes | yes | yes | no |
| gps3D | no | yes | no | yes | no | yes |
| GpsDrive | no | yes | yes | yes | no | no |
| GpsMaster | no | yes | no | yes | no | no |
| GpsPrune | no | yes | no | yes | no | yes |
| gpsVP | yes | yes | yes | no | yes | yes |
| GPX Viewer | no | yes | no | yes | no | no |
| GPXSee | yes | yes | yes | yes | no | no |
| GPXViewer | no | yes | no | yes | no | no |
| GraphHopper | ? | ? | yes | no | ? | ? |
| Jagme | no | yes | no | yes | no | no |
| JGPSTrackEdit | no | yes | yes (cache) | no | ? | ? |
| JOSM | yes | yes | yes | no | ? | ? |
| LiveMapViewer | ? | ? | ? | ? | ? | ? |
| LocationWizard | no | yes | no | yes | no | no |
| luckyGPS | yes | yes | yes | yes | yes | no |
| mapFactor Navigator free | yes | no | yes | no | yes | yes |
| Maps4Mac | yes | no | yes | no | no | no |
| Marble | yes | yes | yes | yes | yes | yes |
| MoNav | no | yes | yes | yes | yes | no |
| Mumpot | yes | yes | yes | yes | ? | no |
| NASA World Wind | ? | ? | no | yes | ? | yes |
| NAVeGIS | yes | no | yes | no | yes | no |
| Navio | no | yes | ? | ? | yes | no |
| NaviPOWM | yes | no | yes | no | yes | no |
| Navit | yes | no | yes | no | yes | yes |
| Navitel | yes | no | yes | no | yes | yes |
| NavSys | ? | ? | ? | ? | ? | ? |
| Nomino | yes | no | no | yes | no | no |
| Open Car InfoTainmenT system | yes | no | yes | no | ? | no |
| OpenJUMP | yes | no | yes | yes | ? | no |
| OpenStreetMap-in-a-Box (osminabox) | yes | yes | yes | yes | ? | ? |
| OSM2Go | yes | no | yes | no | yes | no |
| OSM2Palm | no | yes | yes | no | ? | no |
| OSMroute | yes | no | yes | no | no | no |
| OziExplorer | yes | yes | yes | yes | yes | yes |
| PocketGIS | yes | no | yes | no | yes | no |
| Pyroute | yes | no | yes | no | no | no |
| QuoVadis | yes | yes | yes | yes | yes | yes |
| Rana | yes | no | yes | no | ? | no |
| RiscOSM | yes | no | no | yes | yes | no |
| RoadMap | yes | no | yes | no | yes | yes |
| RoadMap Editor | yes | no | yes | no | yes | yes |
| RoadNav | yes | no | yes | no | ? | yes |
| RouteConverter | no | yes | no | yes | no | no |
| ShareNav | yes | yes | yes | yes | yes | yes |
| Spatial Manager Desktop™ | yes | no | yes | no | no | no |
| Spatial Manager™ for AutoCAD | yes | no | yes | no | no | no |
| TangoGPS | no | yes | yes (cache) | yes | ? | no |
| TEAM - Tutor for editable audio maps | yes | no | yes | yes | no | no |
| Track2Karte | no | yes | no | yes | no | no |
| Traveling Salesman | yes | no | yes | no | yes | no |
| Trip4YouMaps | no | yes | no | yes | yes | no |
| Turbo GPS | no | yes | yes | yes | yes | no |
| VataviaMap | no | yes | yes | yes | ? | no |
| Viking | no | yes | yes (cache) | yes | no | no |
| VisualGPS | ? | ? | ? | ? | no | no |
| YAAC | yes | no | yes | no | no | no |
| YourPocketMap | no | yes | yes (cache) | yes | yes | yes |

This table in the past was generated automatically by a bot. Learn more.

**Navigating features**

| Name | Windows Versions | Mac Versions | Linux Versions | Navigate to point | Find location | Find nearby POIs | Navigate along predefined route | Create route manually | Calculate route | Calculate route without internet | Car routing | Bike routing | Foot routing | Turn restrictions | Navigation with voice | Keep on road | Works without GPS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Autosputnik 5 | win; win2k; winxp | no | no | yes | yes | yes | ? | ? | ? | ? | yes | no | no | yes | yes | yes | yes |
| CartoType | win | macos | linux | yes | yes | yes | yes | ? | yes | yes | yes | yes | yes | yes | ? | yes | yes |
| Cruiser | win | macos | linux | yes | no | no | no | ? | yes | yes | yes | yes | yes | yes | no | no | yes |
| Gosmore | win; wince | no | linux | yes | yes | yes | no | ? | yes | ? | yes | yes | yes | yes | yes | ? | ? |
| GPS-Mate | win | no | no | yes | yes | yes | ? | ? | ? | ? | ? | ? | ? | ? | no | ? | ? |
| GpsDrive | no | macos | linux | ? | ? | ? | ? | ? | ? | ? | yes | yes | yes | ? | ? | ? | yes |
| gpsVP | win | no | no | yes | yes | yes | ? | ? | ? | ? | ? | ? | ? | ? | no | no | yes |
| JGPSTrackEdit | win | macos | linux | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| LiveMapViewer | win | no | linux | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| mapFactor Navigator free | win | no | no | yes | yes | yes | no | ? | yes | yes | yes | no | yes | yes | yes | yes;no | yes |
| Maps4Mac | no | macos | no | ? | no | yes | ? | ? | ? | ? | no | no | no | no | ? | ? | yes |
| Marble | win | macos | linux | no | yes | no | ? | ? | ? | ? | yes | yes | yes | no | yes | no | yes |
| MoNav | win | no | linux | yes | yes | no | ? | ? | ? | ? | yes | yes | yes | no | no | ? | ? |
| NAVeGIS | wince | no | no | yes | yes | yes | no | ? | yes | ? | yes | no | no | yes | yes | yes | yes |
| Navio | win | no | no | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| NaviPOWM | win | no | no | ? | ? | ? | ? | ? | ? | ? | yes | yes | yes | ? | no | ? | ? |
| Navit | win | no | linux | yes | yes | yes | no | ? | yes | yes | yes | no | yes | yes | yes | yes | no |
| Navitel | wince | no | no | yes | yes | yes | no | ? | yes | yes | yes | yes | yes | yes | yes | yes | yes |
| NavSys | no | no | linux | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| Open Source Routing Machine | no | macos | linux | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | yes | ? | ? | ? |
| OziExplorer | win | no | no | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | no | ? | yes |
| PocketGIS | win; win2k; winxp | no | no | yes | yes | yes | ? | ? | ? | ? | yes | no | no | no | yes | no | yes |
| QuoVadis | win; winxp; win7; win8 | no | no | yes | yes | yes | yes | ? | yes | yes | yes | yes | yes | yes | yes | yes | yes;no |
| Rana | no | no |  | ? | ? | yes | ? | ? | ? | ? | ? | ? | ? | ? | no | ? | ? |
| RiscOSM | no | no | no | ? | yes | yes | ? | yes | yes | yes | yes | yes | yes | no | no | ? | ? |
| RoadMap | win | no | linux | yes | yes | no | ? | ? | ? | ? | ? | ? | ? | no | no | ? | yes |
| RoadMap Editor | win | no | linux | yes | yes | no | ? | ? | ? | ? | ? | ? | ? | no | no | ? | yes |
| RoadNav | win | macos | linux | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | ? | yes | ? | yes |
| ShareNav | win; win2k; winxp | macos | linux | yes | yes | yes | no | no | yes | yes | yes | yes | yes | yes | yes | yes | yes |
| Traveling Salesman | win; win2k; winxp | no | linux | ? | yes | ? | ? | ? | ? | ? | ? | ? | ? | ? | no |  | yes |
| Trip4YouMaps | yes | yes | yes | ? | no | yes | no | yes | yes | yes | no | no | yes | yes |  |  |  |
| win | no | no | yes | yes | yes | ? | ? | ? | ? | ? | ? | ? | ? | ? | yes |  |
| Viking | win | no | linux | no | yes | no | ? | ? | ? | ? | yes | no | no | yes | no | no | yes |

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**Track making features**

| Name | Customizable log interval | GPX format | KML format | NMEA format | All formats | Geo-tagged notes | Geo-tagged photos | Geo-tagged audio | Fast POI buttons |
|---|---|---|---|---|---|---|---|---|---|
| florb | no | yes | no | no | gpx | no | no | no | yes |
| FoxtrotGPS | no | yes | no | no | gpx | no | yes | no | no |
| Gosmore | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| GPS TrackMaker | ? | yes | yes | no | gpx;kml;... | ? | ? | ? | ? |
| GPS-Mate | ? | yes | yes | yes | gpx,kml,nmea,csv,txt,loc,tur | yes | no | no | yes |
| GpsDrive | ? | yes | no | no | gpx | ? | ? | ? | ? |
| gpsVP | yes | yes | no | no | gpx;ozi;plt | yes | no | no | ? |
| luckyGPS | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| mapFactor Navigator free | ? | no | no | yes | nmea | ? | ? | ? | ? |
| Maps4Mac | no | yes | no | no | gpx | yes | no | no | yes |
| Marble | no | no | yes | no | kml | ? | ? | ? | yes |
| MoNav | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| Mumpot | ? | ? | ? | ? | ? | ? | ? | ? | yes |
| NAVeGIS | ? | no | no | no | img | no | no | no | ? |
| Navio | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| NaviPOWM | yes | no | no | yes | nmea | no | no | no | no |
| Navit | ? | yes | no | yes | bin, garmin, gpx, nmea | ? | ? | ? | ? |
| Navitel | yes | yes | no | no | gpx | ? | ? | ? | ? |
| NavSys | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| Open Car InfoTainmenT system | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| OSM2Go | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| OSM2Palm | ? | yes | no | no | gpx | ? | ? | ? | ? |
| OSMroute | no | yes | no | yes | gpx;nmea | no | no | no | no |
| OziExplorer | yes | ? | ? | ? | ? | ? | ? | ? | ? |
| PocketGIS | no | no | no | yes | nmea, lmt | no | yes | no | yes |
| QuoVadis | yes | no | no | no | ewc;img;tdb;tiff;png;bmp;shp;dxf;online-maps | yes | yes | yes | yes |
| Rana | yes | ? | ? | ? | ? | ? | ? | ? | ? |
| RiscOSM | no | yes | yes | ? | ? | ? | ? | ? | ? |
| RoadMap | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| RoadMap Editor | ? | ? | ? | ? | ? | ? | ? | ? | ? |
| RoadNav | ? | ? | ? | ? | ? | no | no | no | ? |
| ShareNav | yes | yes | no | yes | gpx;nmea | yes | yes | yes | yes |
| TangoGPS | ? | yes | no | no | gpx | no | yes | no | ? |
| Trip4YouMaps | no | yes | no | no | gpx | no | no | no | yes |
| Turbo GPS | yes | yes | yes | no | gpx;kml;loc | no | no | no | ? |
| Viking | no | yes | yes | no | gpx;kml | no | yes | no | no |
| YAAC | no | no | no | no | none | no | no | no | yes |

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**Monitoring features**

| Name | Show current track | Open existing track | Altitude diagram | Show DOP value | Satellite view | Show live NMEA data | Send current position via SMS | Upload current position |
|------|--------------------|---------------------|------------------|----------------|----------------|---------------------|-------------------------------|-------------------------|
| Autosputnik 5 | no | no | no | no | yes | no | ? | ? |
| florb | yes | yes | no | yes | no | no | no | no |
| FoxtrotGPS | yes | yes | no | no | no | no | no | yes |
| Gosmore | ? | ? | ? | ? | ? | ? | ? | ? |
| GPS TrackMaker | yes | yes | yes | ? | ? | ? | yes | yes |
| GPS-Mate | yes | yes | yes | yes | yes | yes | no | no |
| gpsd | no | no | no | no | yes | no | ? | ? |
| GpsDrive | yes | yes | yes | yes | yes | yes | no | no |
| GpsPrune | no | yes | yes | no | no | no | ? | ? |
| gpsVP | yes | yes | no | yes | no | no | no | no |
| GPX Viewer | no | yes | yes | no | no | no | ? | ? |
| GPXSee | no | yes | yes | no | no | yes | no | no |
| GPXViewer | no | yes | no | no | no | no | ? | ? |
| Jagme | no | yes | no | no | no | no | ? | ? |
| JGPSTrackEdit | ? | ? | ? | ? | ? | ? | ? | ? |
| mapFactor Navigator free | yes | yes | ? | ? | yes | ? | no | no |
| Maps4Mac | yes | yes | no | no | no | no | no | no |
| Marble | yes | yes | yes | no | no | no | no | no |
| NAVeGIS | no | no | no | no | yes | ? | ? | ? |
| Navio | yes | yes | yes | yes | yes | ? | ? | ? |
| NaviPOWM | no | no | no | yes | yes | no | no | no |
| Navit | yes | ? | no | yes | no | no | no | no |
| NavSys | ? | ? | ? | ? | ? | ? | ? | ? |
| OSM2Palm | yes | yes | ? | ? | ? | ? | ? | ? |
| OziExplorer | yes | yes | yes | yes | yes | ? | no | no |
| PocketGIS | yes | yes | no | no | yes | yes | no | no |
| QuoVadis | yes | yes | yes | yes | ? | yes;no | yes | yes |
| Rana | yes | no | no | yes | no | no | no | no |
| RiscOSM | yes | no | yes | ? | no | no | no | no |
| RouteConverter | no | yes | yes | ? | ? | no | ? | ? |
| ShareNav | yes | yes | yes | yes | yes | yes | yes | no |
| TangoGPS | yes | ? | ? | ? | ? | ? | no | yes |
| Trip4YouMaps | yes | ? | yes | no | no | no | no | no |
| Turbo GPS | yes | yes | yes | yes | yes | yes | no | yes |
| Viking | yes | yes | yes | yes | yes | no | no | no |
| YAAC | yes | yes | no | yes | yes | yes | no | no |
| YourPocketMap | no | no | no | no | no | no | ? | ? |

This table in the past was generated automatically by a bot. Learn more.

## OpenStreetMap editing features

| Name | Add POIs | Edit / Delete POIs | Edit arbitrary tags of existing OSM objects | Edit geometries | Support imagery offset DB | Upload to OSM |
|------|----------|--------------------|---------------------------------------------|-----------------|---------------------------|---------------|
| ArcGIS Editor for OSM | yes | yes | yes | yes | ? | yes |
| Google Sketchup Plugin | ? | ? | ? | ? | ? | ? |
| GPS TrackMaker | ? | ? | ? | ? | ? | no |
| GpsMaster | no | yes;no | yes;no | yes;no | yes;no | yes;no |
| Java Applet | ? | ? | ? | ? | ? | ? |
| JGPSTrackEdit | no | no | no | no | ? | no |
| JOSM | yes | yes | yes | yes | yes | yes |
| Merkaartor | yes | yes | yes | yes | no | yes |
| Mumpot | ? | yes | ? | ? | ? | yes |
| Nomino | no | no | yes | no | ? | yes |
| OSM2Go | yes | yes | yes | yes | ? | yes |
| osmeditor | ? | ? | ? | ? | ? | ? |
| Osmeditor (QT) | ? | ? | ? | ? | ? | ? |
| Potlatch 1 | yes | yes | yes | yes | no | yes |
| QGIS | ? | ? | ? | ? | ? | ? |
| QGIS | ? | ? | ? | ? | ? | ? |
| QuoVadis | yes | yes | yes | yes;no | ? | no |
| ShareNav | yes | yes | yes | not directly, will open web browser editor for area | ? | yes |

This table in the past was generated automatically by a bot. Learn more.

## Browser Extensions

OSM Smart Menu helps OpenStreetMap contributors to easily switch between different maps and analysis tools from the community.

Making an OpenStreetMap handler for Operator (http://ruk.ca/w/index.php/Making_an_OpenStreetMap_handler_for_Operator) documents the process of creating a new handler for the geo (http://microformats.org/wiki/geo) microformat for the Operator (http://www.kaply.com/weblog/category/operator/) extension for Firefox.

OpenStreetMap Finder is a Firefox extension for the Mozilla Firefox web browser.

osm.js (http://bhavesh.freeshell.org/blog/worklog/9011.html) is a plugin for handling the geo (http://microformats.org/wiki/geo) microformat for the Operator (http://www.kaply.com/weblog/category/operator/) extension for Firefox.

## Discontinued Software

| Name | Genre | Screenshot | Windows Versions | Mac Versions | Linux Versions | Framework | Display map | Navigate | Make track | Monitor | License | Price | Languages | Version | Description |
|------|-------|-----------|------------------|-------------|----------------|-----------|-------------|----------|-----------|---------|---------|-------|-----------|---------|-------------|
| Amenity Editor | editor | | win | macos | linux | ? | ? | ? | ? | ? | GNU AGPL 3+ | free | EN | 2016-11-16 0.96 | Very limited but easy to use online editor |
| APRSISCE/32 [98] (http://aprsisce.wikidot.com) | display; logger; tracker | | win; win2k; winxp | macos | linux | ? | yes | no | yes | yes | proprietary | free | EN; ... | 2012-08-29 2012/08/29 | Feature rich Amateur Radio Automatic Packet Reporting System client that uses OSM tiles as the base map. |
| BetterSoftwareGPS | logger | | win2k | no | no | .NET | yes | no | no | yes | proprietary | free | EN | 2010-05-13 3.5.2.8 | |
| Brigantine [99] (http://code.google.com/p/brigantine) | display | | win | no | linux | ? | yes | ? | ? | ? | MIT | free | EN | 2013-06-04 1306 | |
| Cobra | renderer | | win | no | no | .NET; CAIRO | ? | ? | ? | ? | ? | ? | ? | EN | 2010-02-03 0.3.9 | project paused |
| Emerillon [100] (http://projects.gnome.org/emerillon/) | display | | no | no | linux | GTK+; | yes | no | no | no | GPL | free | AR; CS; DA; DE; EN; ES; FR; GL; ID; IS; IT; JA; LV; NB; PL; PT; SL; SV; ZH | 2011-09-07 0.1.90 | Simple map viewer for GNOME Desktop |
| Glosm | display | | win | no | linux | OpenGL; SDL | ? | ? | ? | ? | GPL v3 | free | EN | ? 0.0.3 | Framework for developing high-performance geospatial data visualization applications of both interactive and batch nature featuring OpenGL-based 3D first-person and tile renderers |
| Gnome Map Application [101] (http://sourceforge.net/projects/gmap/) | display | | win | no | yes | mono | yes | ? | ? | no | GPL | free | EN | 2010-07-02 0.4.3 | Offers a Warp view and rotate view |
| Gosmore [102] (http://sourceforge.net/projects/gosmore/) | navi | | win; wince | no | linux | GTK+ | yes | yes | yes | yes | BSD | free | EN; DE | 2011-11-22 - | |
| gps3d | display | | win | no | linux | OpenGL | yes | no | no | no | GPL | free | EN | 2002-03-11 1.2 | Very simple 3D Globe |
| gpsd [103] (http://gpsd.berlios.de/) | analyse | | no | macos | linux | ? | no | no | no | yes | BSD | free | EN | 2010-07-13 2.95 | Connect to GPS receiver, and analyse the connection |

## Map display features

| Name | Shows map as vector | Shows map as bitmap | Stores map-data on-board | Stores map-data off-board (downloads from internet) | Rotate map | 3D view |
|------|--------------------|--------------------|-----------------------|---------------------------------------------------|-----------|--------|
| APRSISCE/32 | no | yes | yes | yes | no | no |
| BetterSoftwareGPS | no | yes | ? | ? | ? | ? |
| Brigantine | yes | yes | yes | yes | ? | ? |
| Emerillon | no | yes | no | yes | no | no |

## Navigating features

| Name | Windows Versions | Mac Versions | Linux Versions | Navigate to point | Find location | Find nearby POIs | Navigate along predefined route | Create route manually | Calculate route | Calculate route without internet | Car routing | Bike routing | Foot routing | Turn restrictions | Navigation with voice | Keep on road | Works without GPS |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

## Track making features

| Name | Customizable log interval | GPX format | KML format | NMEA format | All formats | Geo-tagged notes | Geo-tagged photos | Geo-tagged audio | Fast POI buttons |
|------|--------------------------|-----------|-----------|-------------|-------------|------------------|-------------------|------------------|------------------|
| APRSISCE/32 | yes | no | no | no | none | no | no | no | yes |

## Monitoring features

| Name | Show current track | Open existing track | Altitude diagram | Show DOP value | Satellite view | Show live NMEA data | Send current position via SMS | Upload current position |
|------|-------------------|--------------------|------------------|----------------|----------------|---------------------|-------------------------------|------------------------|
| APRSISCE/32 | yes | yes | no | yes | yes | yes | no | no |
| BetterSoftwareGPS | ? | ? | ? | ? | ? | yes | no | no |

## OpenStreetMap editing features

| Name | Add POIs | Edit / Delete POIs | Edit arbitrary tags of existing OSM objects | Edit geometries | Support imagery offset DB | Upload to OSM |
|------|----------|--------------------|---------------------------------------------|-----------------|---------------------------|---------------|
| Amenity Editor | yes | yes | yes | no | ? | yes |

## See also

- software category
- Category:File Converters
- GIS software
- List of OSM based Services
- Routing
- Rendering
- Editors
- Import/Software
- Export#Other_export_formats_and_tools
- Quality Assurance
- Develop

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