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Napomena

U [primerima](#) imate sve skripte i fajle ovde navedene, posebno one iz /home/bin su kompletno tu.

Za skoro sve ovde opisane programe stavio sam u [Fluxbox menu](#) kako se startaju, takođe u [primerima](#) imate i taj menu. Iz tog razloga nisam opisao ovde kako se koji program starta, mnogi imaju svoj specifičan način startanja.

Ako koristite drugo [grafičko okruženje](#) svejedno pogledajte taj menu, jer opisano je kako se startaju programi, pa možete to dodati u Vaš meni ili ih tako ručno startati.

GPS, Global Positioning System

http://en.wikipedia.org/wiki/Global_Positioning_System

GPS mape

iGO Maps

<http://www.igomyway.com/map-updates-and-extras>

<https://www.naviextras.com/>

Mape za [iGO Maps](#) se nalaze u

content/map

Top-Map

<http://topmap.com/>

OpenStreetMap

<http://www.openstreetmap.org/>

Terraserver

<http://www.terraserver.com/>

<https://en.wikipedia.org/wiki/Terraserver.com>

Bing Aerial

<http://www.bing.com/maps/>

GPS Visualizer

<http://www.gpsvisualizer.com/>

VisualGPS

<http://www.visualgps.net/VisualGPS/default.htm>

JOSM

Is the "Java [OpenStreetMap](#) Editor". It is a feature-rich editor for the experienced OSM mapper. It requires some configuration efforts. But if you intend to become a great OSM mapper, it's worth the time you need to get used to it.

<https://wiki.openstreetmap.org/wiki/JOSM>

Za [BSD](#)

```
portmaster -n astro/josm
```

Za [GNU/Linux](#)

```
emerge -a josm
```

mkgmap

This program converts [OpenStreetMap](#) data into a map that can be loaded onto a [Garmin](#) GPS device. It does the conversion in one step without depending on any other program.

<http://www.mkgmap.org.uk/index.html>

Za [BSD](#)

```
portmaster -n astro/mkgmap
```

Za [GNU/Linux](#)

```
emerge -a mkgmap
```

Tile splitter

The format used for Garmin maps has, in effect, a maximum size, meaning that you have to split an .osm file that contains large well mapped regions into a number of smaller tiles. This program does that.

<http://www.mkgmap.org.uk/page/tile-splitter>

Za [BSD](#)

```
portmaster -n astro/mkgmap-splitter
```

Za [GNU/Linux](#)

```
emerge -a splitter
```

Kraj mkgmap

EasyGPS

Is the fast and easy way to upload and download waypoints, routes, and tracks between your Windows computer and your Garmin, Magellan, or Lowrance GPS. EasyGPS lists all of your waypoints on the left side of the screen, and shows a plot of your GPS data on the right. Use EasyGPS to back up and organize your GPS data, print maps, or load new waypoints onto your GPS for your next hike or geocaching adventure.

<http://easygps.com/>

GPSconverter

Converts Waypoints, Tracks, and Routes from/to any file format for GPS receiver or mapping program. It also has powerful manipulation tools for such data. Note that you can select specific data and convert it among data types (i.e.: waypoints to route, tracks to waypoints, etc.) making it a convenient for professional use.

<http://www.mcrenox.com.ar/gpsconverter/>

<http://www.brothersoft.com/gps-converter-70280.html>

GPS Utility

Is an easy-to-use application that allows you to manage, manipulate and map your GPS information.

<http://gpsu.co.uk/index.html>

GPSies

A cool converter utility to convert trackpoint files. Choose a file, upload it and get the converted result. Simple!

<http://www.gpsies.com/convert.do>

GPS uredjaji

https://en.wikipedia.org/wiki/GPS_navigation_device

Blueberry

<http://www.blueberry-eu.com/main.php?action=filter&group=prod&producer=gps>

[Blueberry](#) koristi default [iGO Maps](#).

Uvoznik

<http://www.pinsoft.com/lang/sr/artikli.php?uid=bm9kZUIkPTMwMjM3Jm1lbnVjZD0x>

http://mobile.benchmark.rs/gps_uredjaji/test-blueberry-gps-navigacije-q3-2010/

Prestigio

<http://www.prestigio.com/products/Car-Electronics>

<http://www.prestigio.rs/products/Car-Electronics/GPS-navigators>

Uvoznik

<http://www.asbis.rs/>

TomTom

<http://www.tomtom.com/>

<http://www.opentom.org/>

<http://www.yourtomtom.com/>

<http://www.mytomtomgo.com/>

Forum

<http://discussions.tomtom.com>

http://www.opentom.org/Hardware_Connectors

http://www.opentom.org/Hosted_Software

<http://www.noeman.org/gsm/tomtom-gps-system/>

<http://www.mobilepassion.org/viewforum.php?f=63>

Koja je verzija i ostale podatke za [TomTom](#) vidite u fajli

<http://www.noeman.org/gsm/tomtom-tutorials-discussions/172645-whats-your-current-tomtom-gps-configuration.html>

```
/mnt/gps/ttgo.bif
```

ili

```
/mnt/gps/ttnavigator.bif
```

Bootloader

Možete da menjate Bootloader to je ustvari fajla. Pazite dobro da njegova verzija i verzija Vašeg Navcor-a usaglašena.

```
/mnt/gps/system
```

Skripte za [TomTom](#), koje omogućavaju da se menjaju formati za zvuk i skripte za instalisanje mapa.

<http://stefans.datenbruch.de/tomtom/>

Kako da se instališu mape

http://www.penguinpowered.org/documentation/tomtom_maps.html

TTconsole

Možete imati virtuelnu konsolu za [TomTom](#)

http://opentom.org/TomTom_Console

Btconsole

Možete imati i [Bluetooth](#) konzolu

<http://opentom.org/Btconsole>

Garmin

<http://www.garmin.com>

<http://www.garmin.rs/>

<http://www.navigon.com/portal/de/index.html>

UltimateLaunch

Is a plugin for the today screen of Windows Mobile devices. It offers fast and easy launching of the installed programs.

http://www.ultimatelaunch.de/index_en.html

<http://www.gps-srbija.com/viewtopic.php?t=1744&start=15>

GPS podrška

Da vidite šta postoji

Za [BSD](#)

```
find /usr/ports/* | grep gps
```

Pogledajte u

```
cd /usr/ports/astro/ ; ls
```

Za [GNU/Linux](#)

```
eix gps
```

```
eix -S gps
```

Pogledajte u

```
cd /usr/portage/sci-geosciences ; ls
```

gpsd

Is a service daemon that monitors one or more GPSes attached to a host computer through serial or USB ports, making all data on the location/course/velocity of the sensors available to be queried on TCP port 2947 of the host computer. With gpsd, multiple GPS client applications (such as navigational and wardriving software) can share access to GPSes without contention or loss of data. Also, gpsd responds to queries with a format that is substantially easier to parse than the NMEA 0183 emitted by most GPSes.

<http://catb.org/gps>

Za [BSD](#)

```
portmaster -n astro/gpsd
```

Za [GNU/Linux](#)

```
emerge -a gpsd
```

Da podignete

Za [GNU/Linux](#)

```
/etc/init.d/gpsd start
```

Da se stalno podiže pri startanju sistema

```
rc-update add gpsd default
```

Ima više izvršnih fajli.

gpxloggerd

The gpxloggerd is a tiny daemon that connects to [gpsd](#) and logs received fix information in the GPX format.

Za [BSD](#)

```
portmaster -n astro/gpxloggerd
```

Korisnički programi za GPS

GpsDrive

GPS navigation system with NMEA and Garmin support, zoomable map display, waypoints, etc.

All GPS receivers supported by [gpsd](#) should be usable.

<http://www.gpsdrive.de/>

Za [BSD](#)

```
portmaster -n astro/gpsdrive
```

Za [GNU/Linux](#)

```
emerge -a gpsdrive
```

tangoGPS

Is an easy to use, fast and lightweight mapping application for use with or without GPS. By default tangoGPS uses map data from the [OpenStreetMap](http://www.openstreetmap.org/) project. Additionally a variety of other repositories can be easily added.

The maps are automagically downloaded and cached for offline use while you drag or zoom the map. Furthermore you can conveniently pre-cache areas with [tangoGPS](http://www.tangogps.org/).

<http://www.tangogps.org/>

Za [BSD](http://www.tangogps.org/)

```
portmaster -n astro/tangogps
```

FoxtrotGPS

Is an easy to use, fast and lightweight mapping application with a focus on cooperation and fostering community innovation. Fork of [tangoGPS](http://www.tangogps.org/).

Is a fork of Marcus Bauer's [tangoGPS](http://www.tangogps.org/) project, with a focus on cooperation and fostering community innovation. It is a lightweight moving map application that can be used with or without a gps unit. By default, maps tiles are downloaded from the [OpenStreetMap](http://www.openstreetmap.org/) project, but other sources are available, and new ones may be added.

Map areas may be downloaded and cached for use while offline.

<http://www.foxtrotgps.org/>

Za [BSD](http://www.foxtrotgps.org/)

```
portmaster -n astro/foxtrotgps
```

Za [GNU/Linux](http://www.foxtrotgps.org/)

```
emerge -a foxtrotgps
```

Roadnav

Is a street map application with routing and GPS support Is an [OpenSource](http://www.roadnav.org/) street

navigation solution capable of running on a variety of operating systems. It can obtain your position from a GPS unit, plot a map of your area, and provide directions to locations in the USA. It can also verbalize directions using Microsoft SAPI 5.1, Festival, flite, and OS X's built in text to speech engine.

Roadnav uses the free TIGER/Line (Topologically Integrated Geographic Encoding and Referencing) files from the US Census Bureau to build the maps, along with the GNIS state and topical gazetteer data from the USGS to identify locations. It has experimental support for scripting, LCDproc, importing [OpenStreetMap](#) data, and importing GPX waypoints and tracks.

<http://roadnav.sourceforge.net/>

Za [BSD](#)

```
portmaster -n astro/roadnav
```

Za [GNU/Linux](#)

```
emerge -a roadnav
```

OpenCPN

Is a [Free Software](#) (GPLv2) project to create a concise chartplotter and navigation software for use as an underway or planning tool. OpenCPN is developed by a team of active sailors using real world conditions for program testing and refinement.

Više za mora.

<http://opencpn.org/>

Za [GNU/Linux](#)

```
emerge -a opencpn
```

Obrada GPS podataka

GPSMan, GPS Manager

Is a graphical manager of GPS data that makes possible the preparation, inspection and edition of GPS data in a friendly environment. GPSMan supports communication and real-time logging with both Garmin and Lowrance receivers and accepts real-time logging information in NMEA from any GPS receiver.

<http://gpsman.sourceforge.net/>

Za [BSD](#)

```
portmaster -n astro/gpsman
```

Za [GNU/Linux](#)

```
emerge -a gpsman
```

gpsmanshp

gpsmanshp can be used from any Tcl application. It was developed for use in [GPSMan](#), a manager of GPS receiver data. It is written in C and is based on shapelib made available by Frank Warmerdam. Along with this package, gpstr2shp.c was also developed. It translates GPStrans data files into Shapefile ones.

<http://gpsmanshp.sourceforge.net/>

Za [BSD](#)

```
portmaster -n astro/gpsmanshp
```

Za [GNU/Linux](#)

```
emerge -a gpsmanshp
```

GpsPrune

Prune is an application for viewing, editing and converting coordinate data from GPS systems. Basically it's a tool to let you play with your GPS data after you get home from your trip.

It can load data from arbitrary text-based formats (for example, any tab-separated or comma-separated file) or Xml, or directly from a GPS receiver. It can display the data (as map view using [OpenStreetMap](#) images and as altitude profile), edit this data (for example delete points and ranges, sort waypoints, compress tracks), and save the data (in various text-based formats). It can also export data as a Gpx file, or as Kml/Kmz for import into Google Earth, or send it to a GPS receiver.

<http://activityworkshop.net/software/gpsprune/index.html>

Za [BSD](#)

```
portmaster -n astro/prune
```

QLandkarte GT

Is the ultimate outdoor aficionado's tool. It supports GPS maps in GeoTiff format as well as [Garmin](#)'s img vector map format. Additionally it is the PC side front end to QLandkarte M, a moving map application for mobile devices. And it fills the gap Garmin leaves in refusing to support Linux. QLandkarte GT is the proof that writing portable applications for Unix, Windows and OSX is feasible with a minimum of overhead. No excuses!

QLandkarte GT does replace the original QLandkarte with a much more flexible architecture. It's not limited to a map format or device. Thus if you think your Magellan GPS or other should be supported, join the team.

Additionally it is a front end to the GDAL tools, to make georeferencing scanned maps feasible for the normal user. Compared to similar tools like QGIS, it's target users are more on the consumer side than on the scientific one. QLandkarte GT might not let you select every possible feature of the GDAL tools, but it will simplify their use to the demands of most users.

<http://www.qlandkarte.org/>

Za [BSD](#)

```
portmaster -n astro/qlandkartegt
```

Za [GNU/Linux](#)

```
emerge -a qlandkartegt
```

Viking

Is a free/open source program to manage GPS data. You can import and plot tracks and waypoints, show [OpenStreetMap](#), [Terraserver](#), [Bing Aerial](#) and other maps in it, download geocaches for an area on the map, make new tracks and waypoints, geotag images, see real-time GPS position, etc.

<http://viking.sourceforge.net/>

Za [BSD](#)

[Preuzeo sam FreeBSD Port](#), poslao sam ga na [RedPorts](#) 00.00.2012, kao [PR](#) 22.11.2012

```
portmaster -n astro/viking
```

Za [GNU/Linux](#)

```
emerge -a viking
```

GPSTBabel

Converts waypoints, tracks, and routes from one format to another, whether that format is a common mapping format like Delorme, Streets and Trips, or even a serial upload or download to a GPS unit such as those from [Garmin](#) and Magellan. By flattening the Tower of Babel that the authors of various programs for manipulating GPS data have imposed upon us, it returns to us the ability to freely move our own waypoint data between the programs and hardware we choose to use.

It contains extensive data manipulation abilities making it a convenient for server-side processing or as the backend for other tools.

<http://www.gpsbabel.org/>

Za [BSD](#)

```
portmaster -n astro/gpsbabel
```

Za [GNU/Linux](#)

```
emerge -a gpsbabel
```

Gebabbel

QT-Frontend to load and convert GPS tracks with [GPSTBabel](#)

<http://gebabbel.sourceforge.net/>

Za [GNU/Linux](#)

```
emerge -a gebabbel
```

Kraj GPSTBabel

Mapnik

Is a Free Toolkit for developing mapping applications. Above all Mapnik is about making beautiful maps. It is easily extensible and suitable for both desktop and web development.

<http://mapnik.org/>

Za [BSD](#)

```
portmaster -n graphics/mapnik
```

Za [GNU/Linux](#)

```
emerge -a mapnik
```

GDAL, Geospatial Data Abstraction Library

GDAL/OGR is a translator library for raster and vector geospatial data formats that is released under an Open Source license. As a library, it presents a single abstract data model to the calling application for all supported formats.

Current translators provide read (and sometimes write) access to a variety of formats including ESRI Shapefiles, S-57, SDTS, PostGIS, Oracle Spatial, Mapinfo mid/mif and TAB, GeoTIFF, Erdas Imagine, ESRI .BIL, .aux labelled raw, DTED, SDTS DEM, JPEG, PNG and Arc/Info Binary/ASCII Grid.

<http://www.gdal.org/>

Za [BSD](#)

```
portmaster -n graphics/gdal
```

Za [GNU/Linux](#)

```
emerge -a gdal
```

POIplaza

Is one of the world's largest GPS databases, from where you can download free of charge POIs selected by countries and categories - for PNA, PDA or mobile phone based navigation applications.

<http://www.poiplaza.com/>

POI Editor

POI Editor lets you view, edit and convert Points of Interest files from GPS devices such as TomTom, Navman, Garmin and many others.

<http://www.poieditor.com/>

<http://www.gps-srbija.com/viewtopic.php?t=3737>

KML fajlovi se stavljaju u folder

content\userdata\poi

GPS forumi

<http://gpsunderground.com/>

<http://forums.gpsreview.net/>

<http://forum.mobilism.org/viewforum.php?f=626>

<http://www.gps-srbija.com/>

<http://www.red-gsm.net/f684/>

<http://forum.benchmark.rs/forumdisplay.php?84-Navigacioni-ure%C4%91aji-i-sofтвер>

<http://forum.freebiking.org/viewforum.php?f=10>

Firmware

Vaš GPS uređaj je isporučen sa originalnim fabričkim Firmware, koji ne sme tek tako da se menja.

Možete izgubiti garanciju, ako bilo šta na njemu menjate, upozoreni ste.

Preporučujem Vam da prvo osigurate kompletan GPS uređaj.

Prvo nađite koji je Vaš GPS uređaj sa

parted -l

Napravite direktorijum i mountujte Vaš nađeni GPS uređaj sa

```
mkdir -p /mnt/gps
```

```
mount /dev/sdX /mnt/gps
```

Kako osiguravate zavisi od Vašeg GPS uređaja prvenstveno, na primer

```
tar cfjP "/paketi/Hardware/GPS/Vaš GPS/Save/originalno.tar.bz2" /mnt/gps
```

Možete napraviti na Vašoj SD ili SDHC karti fajl sistem sa na primer

```
mkdosfs -F 32 -l -v -n TomTom /dev/sdg
```

[Na početak](#)

Datum promene

27.11.2012