

NPE GPS

NPE with GPS module contains useful tools, if you want to use the GPS location service. There is a cross-compiled open-source tool: 'gpsd — a GPS service daemon' (<http://www.catb.org/gpsd/>)

gps status

You can check gps status using the following command:

```
gps status
```

This may take a few minutes before a GPS fix is achieved.

Variable in syscfg

The system configuration file (*syscfg*) is extended by extra options

```
GPS_MODE=  
GPS_RESTORE=  
GPS_ACCURACY=  
GPS_POS=  
GPSD_AUTOSTART=  
GPSD_LOG=
```

GPS MODE

GPS_MODE=[STATIC|DYNAMIC]

Variable specifies if daemon location is fixed in syscfg, or is read dynamically from a satellite: /mnt/ramdisk/gps.pos

The 'dynamic' option is not implemented yet.

The gps.pos file is create by gps daemon.

GPS RESTORE

GPS_RESTORE=[{integer}]

Value in seconds defining how often a GPS daemon status is checked (if it is working).

GPS ACCURACY

GPS_ACCURACY=[{integer}]

Value in meters defining accuracy of the measured location in static mode.

If GPS_ACCURACY is empty or GPS_MODE is set to dynamic, this value is omitted.

GPS POS

GPS_POS=[{latitude};{height};{high above sea level}]

Example:

```
GPS_POS=54.346705;18.614793;3.46
```

This if for STATIC mode.

GPSD AUTOSTART

GPS_POS=[Y|N]

Variable determines if GPS daemon should always start after reboot.

GPSD LOG

GPSD_LOG=[Y|N]

Variable determines if daemon should storage position in XML file format in the /mnt/data/logs/gps directory.