

# QGIS Application - Bug report #3505

## Crash when GPSD goes away and trying to connect again

2011-02-19 10:48 AM - Volker Fröhlich

<b>Status:</b> Closed	
<b>Priority:</b> High	
<b>Assignee:</b>	
<b>Category:</b> Digitising	
<b>Affected QGIS version:</b> 1.7.4	<b>Regression?:</b> No
<b>Operating System:</b> Fedora	<b>Easy fix?:</b> No
<b>Pull Request or Patch supplied:</b> No	<b>Resolution:</b> worksforme
<b>Crashes QGIS or corrupts data:</b> Yes	<b>Copied to github as #:</b> 13565

### Description

Connection was created mostly following this [guide](#).

- Connect to a GPS device
- Stop GPSD (data is still delivered to /dev/rfcomm0)
- Click Disconnect
- Click Connect
- Segfault

No settings regarding GPS were changed in QGIS. The build actually uses a system wide Qwtpolar and Spatialindex lib, but I suppose that's not the cause. The build is like 4 days old.

No idea what debugging info is missing here.

Program received signal SIGSEGV, Segmentation fault.

0x0000000000000000 in ?? ()

(gdb) bt

#0 0x0000000000000000 in ?? ()

#3905 0x00000000006c4052 in [[QgsGPSInformationWidget]]::disconnectGps (this=0x1fa8e50)  
at /usr/src/debug/qgis-1.7.0/src/app/gps/qgsgpsinformationwidget.cpp:370

#3906 0x00000000007045a4 in [[QgsGPSInformationWidget]]::qt\_metacall (this=0x1fa8e50,  
\_c=QMetaObject::InvokeMetaMethod,  
\_id=<value optimized out>, \_a=0x7fffffc750)

at /usr/src/debug/qgis-1.7.0/src/app/gps/moc\_qgsgpsinformationwidget.cxx:103

#3907 0x00000032f377004f in QMetaObject::activate (sender=0x1fa73f0, m=<value optimized out>,  
local\_signal\_index=<value optimized out>, argv=0x7fffffc750) at kernel/qobject.cpp:3272

#3908 0x00000032f70288e2 in QAbstractButton::toggled (this=<value optimized out>, \_t1=false)  
at .moc/release-shared/moc\_qabstractbutton.cpp:213

#3909 0x00000032f6d72593 in QAbstractButton::setChecked (this=0x1fa73f0, checked=false)  
at widgets/qabstractbutton.cpp:766

#3910 0x00000000006c3eb4 in [[QgsGPSInformationWidget]]::timeout (this=0x1fa8e50)  
at /usr/src/debug/qgis-1.7.0/src/app/gps/qgsgpsinformationwidget.cpp:351

#3911 0x000000000070454c in [[QgsGPSInformationWidget]]::qt\_metacall (this=0x1fa8e50,  
\_c=QMetaObject::InvokeMetaMethod,  
\_id=<value optimized out>, \_a=0x7fffffc880)

at /usr/src/debug/qgis-1.7.0/src/app/gps/moc\_qgsgpsinformationwidget.cxx:119

#3912 0x00000032f377004f in QMetaObject::activate (sender=0x202fd20, m=<value optimized out>,  
local\_signal\_index=<value optimized out>, argv=0x0) at kernel/qobject.cpp:3272

#3913 0x00007ffff7ba875a in [[QgsGPSDetector]]::advance (this=0x202fd20)  
at /usr/src/debug/qgis-1.7.0/src/core/gps/qgsgpsdetector.cpp:135

```
#10 0x00007ffff7d4a50c in [[QgsGPSDetector]]::qt_metacall (this=0x202fd20, _c=QMetaObject::InvokeMetaMethod,
_id=<value optimized out>, _a=0x7fffffca40)
at /usr/src/debug/qgis-1.7.0/src/core/gps/moc_qgsgpsdetector.cxx:83
#3914 0x00000032f377004f in QMetaObject::activate (sender=0x1ff1e70, m=<value optimized out>,
local_signal_index=<value optimized out>, argv=0x0) at kernel/qobject.cpp:3272
#3915 0x00000032f3776aef in QSingleShotTimer::timerEvent (this=0x1ff1e70) at kernel/qtimer.cpp:308
#3916 0x00000032f376f879 in QObject::event (this=0x1ff1e70, e=<value optimized out>) at kernel/qobject.cpp:1175
#3917 0x00000032f69b78c4 in QApplicationPrivate::notify_helper (this=0xb3c990, receiver=0x1ff1e70, e=0x7fffffd200)
at kernel/qapplication.cpp:4445
#3918 0x00000032f69bc3da in QApplication::notify (this=<value optimized out>, receiver=0x1ff1e70, e=0x7fffffd200)
at kernel/qapplication.cpp:4324
#3919 0x00007ffff7bfa3c6 in [[QgsApplication]]::notify (this=<value optimized out>, receiver=<value optimized out>,
event=<value optimized out>) at /usr/src/debug/qgis-1.7.0/src/core/qgsapplication.cpp:88
#3920 0x00000032f375b7ac in QCoreApplication::notifyInternal (this=0x7fffffd6b0, receiver=0x1ff1e70, event=
0x7fffffd200) at kernel/qcoreapplication.cpp:732
#3921 0x00000032f37893fe in sendEvent (this=0xb41a90) at kernel/qcoreapplication.h:215
#3922 QTimerInfoList::activateTimers (this=0xb41a90) at kernel/qeventdispatcher_unix.cpp:603
#3923 0x00000032f37861f8 in timerSourceDispatch (source=<value optimized out>) at kernel/qeventdispatcher_glib.cpp:184
#3924 idleTimerSourceDispatch (source=<value optimized out>) at kernel/qeventdispatcher_glib.cpp:231
#3925 0x00000032e7641e33 in g_main_dispatch (context=0xb40920) at gmain.c:2149
#3926 g_main_context_dispatch (context=0xb40920) at gmain.c:2702
#3927 0x00000032e7642610 in g_main_context_iterate (context=0xb40920, block=1, dispatch=1, self=<value optimized out>)
at gmain.c:2780
#3928 0x00000032e76428ad in g_main_context_iteration (context=0xb40920, may_block=1) at gmain.c:2843
#3929 0x00000032f37868bf in QEventDispatcherGlib::processEvents (this=0xb3df30, flags=<value optimized out>)
at kernel/qeventdispatcher_glib.cpp:415
#3930 0x00000032f6a5c59e in QGuiEventDispatcherGlib::processEvents (this=<value optimized out>,
flags=<value optimized out>) at kernel/qguieventdispatcher_glib.cpp:207
#3931 0x00000032f375ab42 in QEventLoop::processEvents (this=<value optimized out>, flags=...)
at kernel/qeventloop.cpp:149
#3932 0x00000032f375ad8c in QEventLoop::exec (this=0x7fffffd490, flags=...) at kernel/qeventloop.cpp:201
#3933 0x00000032f375f24b in QCoreApplication::exec () at kernel/qcoreapplication.cpp:1009
#3934 0x00000000004c7320 in main (argc=1, argv=<value optimized out>)
at /usr/src/debug/qgis-1.7.0/src/app/main.cpp:804
(gdb)
```

## History

### #1 - 2011-12-16 01:49 PM - Giovanni Manghi

- Target version changed from Version 1.7.0 to Version 1.7.4

### #2 - 2011-12-23 08:50 AM - Giovanni Manghi

- Assignee deleted (nobody -)

- Pull Request or Patch supplied set to No

- Affected QGIS version set to master

- Crashes QGIS or corrupts data set to Yes

### #3 - 2012-04-16 04:19 AM - Giovanni Manghi

- Priority changed from Low to High

### #4 - 2012-04-16 04:20 AM - Giovanni Manghi

- Status changed from Open to Feedback

Can you confirm with a recent (possibly master) qgis version?

**#5 - 2012-04-16 04:35 AM - Volker Fröhlich**

I'll try to do that.

But I think no part of the responsible code was seriously changed.

**#6 - 2012-04-16 06:26 AM - Paolo Cavallini**

- *Target version changed from Version 1.7.4 to Version 1.8.0*

**#7 - 2012-04-16 12:22 PM - Volker Fröhlich**

Honestly, it is a bit difficult to reproduce for me, 1 year later. I tried with QGIS 1.7.4 for now.

I can't manage to connect via gpsd at all. It only works by using the device directly. The gpsd daemon certainly works. I can watch data by connecting to the gpsd port.

What I probably saw, when I first created this ticket:

If I just use "Autodetect" I get a direct connection. Starting gpsd later on, disconnecting and connecting again, crashes QGIS. Although the scenario might be somewhat unconventional, QGIS should not crash.

Concerning gpsd, I'm maybe doing something wrong.

**#8 - 2012-09-04 11:59 AM - Paolo Cavallini**

- *Target version changed from Version 1.8.0 to Version 2.0.0*

**#9 - 2012-10-04 03:07 PM - Giovanni Manghi**

- *Priority changed from High to Normal*

- *Status info deleted (0)*

- *Affected QGIS version changed from master to 1.7.4*

More tests with qgis 1.8 and master are necessary.

**#10 - 2012-12-30 09:46 AM - Giovanni Manghi**

- *Priority changed from Normal to High*

**#11 - 2013-05-28 09:07 AM - Sandro Santilli**

I suggest to close this if nobody can reproduce it. Someone will file it again when first seen...

Volker, what do you think ?

**#12 - 2013-05-29 02:46 PM - Volker Fröhlich**

I think actually nobody ever tried to reproduce it. I also doubt that re-checking at random will bring up a different result, as most of the code in this area

remained unchanged -- at least when I last had a look. I'm somewhat disappointed of having this issue hanging around for 27 months without being seriously considered. Feel free to close it!

**#13 - 2013-09-22 03:11 AM - Giovanni Manghi**

- *Status changed from Feedback to Closed*

- *Resolution set to worksforme*

not long ago I made a bunch of tests and resumed here

[https://issues.qgis.org/wiki/quantum-gis/Gps\\_units\\_download\\_data\\_and\\_live\\_tracking](https://issues.qgis.org/wiki/quantum-gis/Gps_units_download_data_and_live_tracking)

I don't recall any crash when using gpsd.

Please reopen if necessary.