

rtl-sdr - Bug #1962

Flat out DOES NOT WORK

03/02/2017 10:22 PM - Spencer1

Status: Closed	Start date: 03/02/2017
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category:	
Target version:	
Description cmake, usblib, sdrsharp.. ALL OF IT. NOE OF THE INFORMATION ON THIS PAGE HELPS - throws ENDLESS ERRORS. 24hrs and I am NO closer.	

History

#1 - 03/03/2017 07:09 PM - alteholz

Spencer1 wrote:

cmake, usblib, sdrsharp.. ALL OF IT.

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24hrs and I am NO closer.

Hmm, on a Debian unstable system I did:

```
apt-get install gnuradio-dev
```

```
git clone git://git.osmocom.org/gr-osmosdr
cd gr-osmosdr
```

```
mkdir build
cd build
cmake ../
make
```

and everything builds just fine!?

Can you please give more details about the problems you encountered?

#2 - 03/04/2017 12:17 AM - Spencer1

YAY! A human!!!

Running Lubuntu 16. Cmake was evil, and Libusb, Mono-complete. These three would install then the thing wouldn't compile - all the way to the last step, and nothing. I have to re-install (typing every sudo I could find to fix stuff has ruined everything)

Biggest issue is that I keep getting a STRBRT (I think) error. I'm replying on my Win10 box, as the Linux box is sleeping right now.

So I am looking to run SDR#. RTL-SDR dongle. I got the RTL installed from a youtube video - only thing that went in without a problem.

Thank you so much! I would love to have a human to contact rather than an endless \$ sudo apt-get-the-damn-thing-to-work

Do I have to have gnuradio to run SDR#? If so, that is very much not clear.

On Fri, Mar 3, 2017 at 12:09 PM, altholz [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by altholz.

Spencer1 wrote:

cmake, usbilib, sdrsharp.. ALL OF IT.

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Hmm, on a Debian unstable system I did:

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and everything builds just fine!?

Can you please give more details about the problems you encountered?

Bug [#1962](#): Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3218>

- Author: Spencer1
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Resolution:
- Spec Reference:

cmake, usbilib, sdrsharp.. ALL OF IT.

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--
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#3 - 03/04/2017 10:18 AM - Spencer1

So I type in

```
sudo apt-get install gnuradio-dev
```

and I get "The following packages have unmet dependencies"

On Fri, Mar 3, 2017 at 12:09 PM, alteholz [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by alteholz.

Spencer1 wrote:

cmake, usblib, sdrsharp.. ALL OF IT.

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- Author: Spencer1
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Spencer1 wrote:

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This sounds rather strange.

Biggest issue is that I keep getting a STRBRT (I think) error.

Hmm, what is a STRBRT error!?

So I am looking to run SDR#. RTL-SDR dongle. I got the RTL installed from a youtube video - only thing that went in without a problem.

Aaah, ok, your bug report was a bit vague.

So I just tried to do the stuff that was described on: <https://rtlsdr.org/softwarelinux>

Basically I did:

```
apt-get install mono-complete
apt-get install libportaudio2
apt-get install rtl-sdr
wget airspy.com/?ddownload=3130-0-sdrsharp.zip -# ← this is the SDR# binary package rev 1500
unzip sdrsharp.zip -d sdrsharp
cd sdrsharp
ln -s /usr/lib/x86_64-linux-gnu/librtlsdr.so.0 librtlsdr.dll
ln -s /usr/lib/x86_64-linux-gnu/libportaudio.so.2 libportaudio.so
mono SDRSharp.exe
```

and voila I got a nice window ...

Do I have to have gnuradio to run SDR#? If so, that is very much not clear.

While trying to compile the project on my machine, cmake threw an error about some missing files. This error could be resolved by installing the gnuradio package. So yes, at least the development file of gnuradio are needed. But as I didn't know your bug was about SDR#, it seems I looked at a different project. So no, you don't need gnuradio for SDR#.

#5 - 03/04/2017 05:05 PM - alteholz

Spencer1 wrote:

So I type in

```
sudo apt-get install gnuradio-dev
```

and I get "The following packages have unmet dependencies"

Being a bit more verbose about the error message might help.
Anyway, this looks like a problem of Ubuntu and I am afraid I can not help here

#6 - 03/04/2017 07:18 PM - Spencer1

```
wget airspy.com/?ddownload=3130 -O sdrsharp.zip #  
returns error: Connecting to sdrsharp.zip (sdrsharp.zip)|127.0.53.53|:80...  
failed: Connection refused.
```

On Sat, Mar 4, 2017 at 10:03 AM, alteholz [REDMINE] <
redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by alteholz.

Spencer1 wrote:

Running Ubuntu 16. Cmake was evil, and Libusb, Mono-complete. These

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softwarelinux

Basically I did:

```
apt-get install mono-complete
apt-get install libportaudio2
apt-get install rtl-sdr
wget airspy.com/?ddownload=3130-sdrsharp.zip -# < this is the SDR#
binary package rev 1500
unzip sdrsharp.zip -d sdrsharp
cd sdrsharp
ln -s /usr/lib/x86_64-linux-gnu/librtlsdr.so.0 librtlsdr.dll
ln -s /usr/lib/x86_64-linux-gnu/libportaudio.so.2 libportaudio.so
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Bug #1962: Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3229>

- Author: Spencer1
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Resolution:
- Spec Reference:

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#7 - 03/04/2017 07:27 PM - Spencer1

Got this to work

```
wget airspy.com/?ddownload=3130 -O sdrsharp.zip #
```

Now mono SDRSharp.exe

```
Fatal unhandled exce[tion: system,typeinitializationexce[tion: the type
initializer for 'PortAudioSharp..PortAudioAPI' threw an exception --->
System.DLLNOTFOUNDEXCEPTION
```

On Sat, Mar 4, 2017 at 12:18 PM, Spencer1 [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by Spencer1.

```
wget airspy.com/?ddownload=3130 -O sdrsharp.zip #
returns error: Connecting to sdrsharp.zip (sdrsharp.zip)|127.0.53.53]:
80...
failed: Connection refused.
```

On Sat, Mar 4, 2017 at 10:03 AM, alteholz [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by alteholz.

Spencer1 wrote:

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<https://rtlsdr.org/>

softwarelinux
Basically I did:

```
apt-get install mono-complete
apt-get install libportaudio2
apt-get install rtl-sdr
wget airspy.com/?ddownload=3130 o-sdrsharp.zip # < this is the SDR#
binary package rev 1500
unzip sdrsharp.zip -d sdrsharp
cd sdrsharp
ln -s /usr/lib/x86_64-linux-gnu/librtlsdr.so.0 librtlsdr.dll
ln -s /usr/lib/x86_64-linux-gnu/libportaudio.so.2 libportaudio.so
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- Status: New
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- Category:
- Target version:
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Bug #1962: Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3231>

- Author: Spencer1
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Resolution:
- Spec Reference:

cmake, usblib, sdrsharp.. ALL OF IT.

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#8 - 03/04/2017 10:12 PM - alteholz

Spencer1 wrote:

Got this to work
wget airspy.com/?ddownload=3130 -O sdrsharp.zip #

great

Now mono SDRSharp.exe
Fatal unhandled exce[tion: system,typeinitializationexce[tion: the type initializer for 'PortAudioSharp..PortAudioAPI' threw an exception --->
System.DLLNOTFOUNDEXCEPTION

Did you successfully create this link:

ln -s /usr/lib/x86_64-linux-gnu/libportaudio.so.2 libportaudio.so

Hmm, here it even works without that link. But your exception appears here as well after I deinstall libportaudio2.

So maybe you forgot:

apt-get install libportaudio2

#9 - 03/04/2017 10:40 PM - Spencer1

have newest version of libportaudio2

At least that's what it says whenever I sudo apt-get it.

On Sat, Mar 4, 2017 at 3:12 PM, alteholz [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by alteholz.

Spencer1 wrote:

```
Got this to work
wget airspy.com/?ddownload=3130 -O sdrsharp.zip #
```

great

```
Now mono SDRSharp.exe
Fatal unhandled exce[ti]on: system.typeinitializationexce[ti]on: the type
initializer for 'PortAudioSharp..PortAudioAPI' threw an exception --->
System.DLLNOTFOUNDEXCEPTION
```

Did you successfully create this link:
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Hmm, here it even works without that link. But your exception appears here
as well after I deinstall libportaudio2.
So maybe you forgot:
apt-get install libportaudio2

Bug [#1962](#): Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3236>

- Author: Spencer1
- Status: New
- Priority: Normal
- Assignee:
- Category:
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#10 - 03/05/2017 02:02 AM - Spencer1

Re installed Lubuntu 16.10

Having typed in your instructions - exactly, after \$ sudo mono SDRSharp.exe
here is what I get (instead of a nice window):

```
[ERROR] FATAL UNHANDLED EXCEPTION: System.TypeInitializationException: The
type initializer for 'PortAudioSharp.PortAudioAPI' threw an exception. --->
System.DllNotFoundException: portaudio
at (wrapper managed-to-native) PortAudioSharp.PortAudioAPI:Pa_Initialize
()
at PortAudioSharp.PortAudioAPI..cctor () <0xb27a37d8 + 0x0000b> in
<filename unknown>:0
--- End of inner exception stack trace ---
at SDRSharp.Radio.PortAudio.AudioDevice.GetDevices (DeviceDirection
direction) <0xb27a33d0 + 0x000bb> in <filename unknown>:0
at SDRSharp.MainForm.InitializeGUI () <0xb27a0178 + 0x0003ab> in <filename
unknown>:0
at SDRSharp.MainForm..ctor () <0xb4020140 + 0x000513> in <filename
unknown>:0
at (wrapper remoting-invoke-with-check) SDRSharp.MainForm..ctor ()
at SDRSharp.Program.Main () <0xb72d4450 + 0x00010b> in <filename
unknown>:0
durango-one@durango:~/sdrsharp$
```

Please advise, I am at the end of my wits here :(

On Sat, Mar 4, 2017 at 3:40 PM, Spencer1 [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by Spencer1.

have newest version of libportaudio2

At least that's what it says whenever I sudo apt-get it.

On Sat, Mar 4, 2017 at 3:12 PM, alteholz [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by alteholz.

Spencer1 wrote:

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Got this to work
wget airspy.com/?ddownload=3130 -O sdrsharp.zip #
```

great

```
Now mono SDRSharp.exe
Fatal unhandled exce[tion: system,typeinitializationexce[tion: the
```

type

```
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Bug #1962: Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3236>

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Bug #1962: Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3237>

- Author: Spencer1
- Status: New
- Priority: Normal
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#11 - 03/05/2017 04:01 AM - Spencer1

Got SDR# to boot!!!!!!!!!!!!!!

Now it is saying "No device selected"

So I am back to fighting with cmake. Installing it now. Any sudos I should know?

Oh, btw Lubuntu 16.10 for 32 bit system - had to remove the libportaudio.so for AMD64 and replace it with i386 version.

I only did that once to make SDR# start, but associated another dll originally - should I redo that too?

On Sat, Mar 4, 2017 at 7:02 PM, Spencer1 [REDMINE] <redmine@lists.osmocom.org> wrote:

Issue [#1962](#) has been updated by Spencer1.

Re installed Lubuntu 16.10

Having typed in your instructions - exactly, after \$ sudo mono SDRSharp.exe here is what I get (instead of a nice window):

```
[ERROR] FATAL UNHANDLED EXCEPTION: System.TypeInitializationException: The type initializer for 'PortAudioSharp.PortAudioAPI' threw an exception. --->
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Now mono SDRSharp.exe
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initializer for 'PortAudioSharp..PortAudioAPI' threw an exception

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Bug #1962: Flat out DOES NOT WORK
<https://osmocom.org/issues/1962#change-3241>

- Author: Spencer1
- Status: New
- Priority: Normal
- Assignee:
- Category:
- Target version:
- Resolution:
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cmake, usblib, sdrsharp.. ALL OF IT.

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#12 - 07/10/2017 10:24 PM - laforge

- *Status changed from New to Closed*

#13 - 06/03/2018 12:24 PM - laforge

- *Project changed from SDR (Software Defined Radio) to rtl-sdr*