

## Tvheadend - Bug #3327

### timeout waiting for packets

2015-11-20 12:36 - Trex the Daemon

<b>Status:</b>	Invalid	<b>Start date:</b>	2015-11-20
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	John Törnblom	<b>% Done:</b>	0%
<b>Category:</b>	Streaming	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected Versions:</b>	
<b>Found in version:</b>	HTS Tvheadend 4.1-1008		
<b>Description</b>			
Unable to tune any channel for most of the time. Adapter is recognized, mux scanning, diseq 1.2 positioner works, as dish moves to channel, but there is no streaming. Tried with kodi tvheadend client and web client. Trace below is from web client. It happened once that everything worked.			
Setup: Raspberry Pi 2 Tuner: DVBSKY S960 Kernel: 4.2.3-2-osmc Latest firmware file from dvbsky homepage.			
Dmesg output: [ 21.007261] m88ds3103 3-0068: found a 'Montage Technology M88DS3103' in cold state [ 21.018123] m88ds3103 3-0068: downloading firmware from file 'dvb-demod-m88ds3103.fw' [ 22.074414] m88ds3103 3-0068: found a 'Montage Technology M88DS3103' in warm state [ 22.074448] m88ds3103 3-0068: firmware version: 3.B			
2015-11-20 13:29:32.411 http: 5.2.200.205: using ticket 97C952958016F93E69E3A0E009289267723A66A7 for /stream/channel/b4b41d1eca4b9271ae9a5aaad9faf3b1			
2015-11-20 13:29:32.412 mpegts: 11302.75H in Astra 19.2E - tuning on Montage Technology M88DS3103 : DVB-S #0			
2015-11-20 13:29:32.623 subscription: 0524: "HTTP" subscribing on channel "Astra HD Promo", weight: 100, adapter: "Montage Technology M88DS3103 : DVB-S #0", network: "Astra 19.2E", mux: "11302.75H", provider: "Astra HD Promo", service: "Astra HD Promo", profile="pass", hostname="5.2.200.205", client="VLC/2.2.1 LibVLC/2.2.1"			
2015-11-20 13:29:53.625 webui: Stop streaming /stream/channel/b4b41d1eca4b9271ae9a5aaad9faf3b1?ticket=97C952958016F93E69E3A0E009289267723A66A7			

### History

#### #1 - 2015-11-20 12:37 - Trex the Daemon

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Setup:  
Raspberry Pi 2  
Tuner: DVBSKY S960  
Kernel:  
4.2.3-2-osmc  
Latest firmware file from dvbsky homepage.

Dmesg output:  
[ 21.007261] m88ds3103 3-0068: found a 'Montage Technology M88DS3103' in cold state  
[ 21.018123] m88ds3103 3-0068: downloading firmware from file 'dvb-demod-m88ds3103.fw'  
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2015-11-20 13:29:53.626 subscription: 0524: "HTTP" unsubscribing from "Astra HD Promo", hostname="5.2.200.205", client="VLC/2.2.1 LibVLC/2.2.1"

2015-11-20 13:29:53.660 http: 5.2.200.205: using ticket 97C952958016F93E69E3A0E009289267723A66A7 for  
/stream/channel/b4b41d1eca4b9271ae9a5aad9faf3b1

2015-11-20 13:29:53.661 mpegts: 11302.75H in Astra 19.2E - tuning on Montage Technology M88DS3103 : DVB-S #0

2015-11-20 13:29:53.847 subscription: 0525: "HTTP" subscribing on channel "Astra HD Promo", weight: 100, adapter: "Montage Technology M88DS3103 : DVB-S #0", network: "Astra 19.2E", mux: "11302.75H", provider: "Astra HD Promo", service: "Astra HD Promo", profile="pass", hostname="5.2.200.205", client="VLC/2.2.1 LibVLC/2.2.1"

2015-11-20 13:30:14.849 webui: Stop streaming  
/stream/channel/b4b41d1eca4b9271ae9a5aad9faf3b1?ticket=97C952958016F93E69E3A0E009289267723A66A7, timeout waiting for packets

2015-11-20 13:30:14.850 subscription: 0525: "HTTP" unsubscribing from "Astra HD Promo", hostname="5.2.200.205", client="VLC/2.2.1 LibVLC/2.2.1"

2015-11-20 13:30:14.885 http: 5.2.200.205: using ticket 97C952958016F93E69E3A0E009289267723A66A7 for  
/stream/channel/b4b41d1eca4b9271ae9a5aad9faf3b1

2015-11-20 13:30:14.886 mpegts: 11302.75H in Astra 19.2E - tuning on Montage Technology M88DS3103 : DVB-S #0

2015-11-20 13:30:15.363 subscription: 0526: "HTTP" subscribing on channel "Astra HD Promo", weight: 100, adapter: "Montage Technology M88DS3103 : DVB-S #0", network: "Astra 19.2E", mux: "11302.75H", provider: "Astra HD Promo", service: "Astra HD Promo", profile="pass", hostname="5.2.200.205", client="NSPlayer/7.10.0.3059"

2015-11-20 13:30:35.366 webui: Stop streaming  
/stream/channel/b4b41d1eca4b9271ae9a5aad9faf3b1?ticket=97C952958016F93E69E3A0E009289267723A66A7, timeout waiting for packets

2015-11-20 13:30:35.366 subscription: 0526: "HTTP" unsubscribing from "Astra HD Promo", hostname="5.2.200.205", client="NSPlayer/7.10.0.3059"

## #2 - 2015-11-20 16:18 - Jaroslav Kysela

Provide '--trace linuxdvd,diseqc'. Do you see a signal in the status tab when tuned to a mux ? <https://tvheadend.org/projects/tvheadend/wiki/Traces>

## #3 - 2015-11-20 18:35 - Trex the Daemon

- File *tvheadend\_Screenshot.jpg* added

- File *tvheadend.log* added

Hello,  
I've done the trace as requested.  
The command line I've used was the one I've extracted from the service file, appending the trace and log switches:  
/usr/local/bin/tvheadend -f -p /run/tvheadend.pid -C -u osmc -g video --trace linuxdvd,diseqc -l /tmp/tvheadend.log  
As you can see in the screenshot, the signal level is unknown. However, if it's scanning for muxes, I can see there a signal level.  
I've swithced between an astra demo channel, that's unencrypted, and one hbo channel from the 0.8W satellite. The subscription card is fitted into the oscam server and it's tested to be working on a dm800hd. But the free channel should work anyways, so it's not a descrambling problem.  
Rotor position 17 is the 19.2E and rotor position 10 is thor 0.8W. (Just so you can understand the logs).  
I'm no specialist in tvheadend, but I have some technical and linux knowledge, as I'm an embedded engineer, so you can ask me to do some measurements if necessary.  
I've checked the logs myself, but I cannot see anything suspicious...

## #4 - 2015-11-20 20:44 - Jaroslav Kysela

Could you try to set the initial rotor timeout to a lower value? I don't know which range do you use (the duration for the maximal rotor movement), but there's 120 seconds by default which triggers the package timeout check in src/webui/webui.c - http\_stream\_run().

## #5 - 2015-11-20 23:45 - Mark Clarkstone

Looks like you may be suffering from the regression in the kernel driver I had with my DVBSky T9850 which uses the m88ds3101. Make sure that your kernel has the following patch:

<https://git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/patch/?id=56ea37da3b93dfe46cb5c3ee0ee4cc44229ece47>

HTH.

## #6 - 2015-11-21 08:25 - Trex the Daemon

Jaroslav Kysela wrote:

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but there's 120 seconds by default which triggers the package timeout check in src/webui/webui.c - http\_stream\_run().

You mean rotor initialization time (on the parameters tab? ). I couldn't find in the menu elsewhere something related to this. But I don't think this is the issue, as then if the dish is already on the same orbital position, it should work, right ? But also in this case, i receive timeout. So I tend to assume that it could be the kernel issue that was posted by Mark.

But I would like to sort this out too, so could you tell me where can I find this option ?

#### #7 - 2015-11-21 08:27 - Trex the Daemon

Mark Clarkstone wrote:

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HTH.

Hmmm, currently I'm using the OSMC build with the default kernel, that is 4.2.3-2-osmc  
Could you tell me where can I check if this patch is already included in the 4.2.3.2 kernel ? Meanwhile I will ask on the OSMC forum, maybe Sam will help me out.

#### #8 - 2015-11-21 12:08 - Mark Clarkstone

Trex the Daemon wrote:

Mark Clarkstone wrote:

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HTH.

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Could you tell me where can I check if this patch is already included in the 4.2.3.2 kernel ? Meanwhile I will ask on the OSMC forum, maybe Sam will help me out.

Looks like osmc uses the official kernel.org sources as shown [here](#) That lists kernel 4.3.0 for the rpi so I think all you'd need is a newer osmc version with the newer kernel.

#### #9 - 2015-11-21 15:30 - Trex the Daemon

Well, I will have to compile a new kernel, I suppose.  
Or wait for Sam to release a new OSMC version..

Mark Clarkstone wrote:

Trex the Daemon wrote:

Mark Clarkstone wrote:

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HTH.

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Could you tell me where can I check if this patch is already included in the 4.2.3.2 kernel ? Meanwhile I will ask on the OSMC forum, maybe Sam will help me out.

Looks like osmc uses the official kernel.org sources as shown [here](#) That lists kernel 4.3.0 for the rpi so I think all you'd need is a newer osmc version with the newer kernel.

#### #10 - 2015-11-21 18:09 - Jaroslav Kysela

Trex the Daemon wrote:

Jaroslav Kysela wrote:

Could you try to set the initial rotor timeout to a lower value? I don't know which range do you use (the duration for the maximal rotor movement), but there's 120 seconds by default which triggers the package timeout check in `src/webui/webui.c - http_stream_run()`.

You mean rotor initialization time (on the parameters tab? ). I couldn't find in the menu elsewhere something related to this.

But I don't think this is the issue, as then if the dish is already on the same orbital position, it should work, right ? But also in this case, i receive timeout. So I tend to assume that it could be the kernel issue that was posted by Mark.

You're wrong. TVH does not know the rotor position when it starts. This value defines the initialization time in seconds which TVH requires to finish the first rotor movement. If you interrupt this (and you did based on the log - the sequence was not completed due another bug in the code), TVH will try to wait again for the full interval. Provide log when you set this value to 20 seconds or so..

#### #11 - 2015-11-25 08:19 - Trex the Daemon

- File `tvheadend.log` added

Jaroslav Kysela wrote:

Trex the Daemon wrote:

Jaroslav Kysela wrote:

Could you try to set the initial rotor timeout to a lower value? I don't know which range do you use (the duration for the maximal rotor movement), but there's 120 seconds by default which triggers the package timeout check in `src/webui/webui.c - http_stream_run()`.

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Well, I did make the changes you're requested.. Set the value to 20. And it was working.

But what I don't really understand is that once the dish is on the orbital position with the channel I want to watch, why does this have an influence on it ?

#### #12 - 2015-11-25 10:25 - Jaroslav Kysela

I explained it. TVH actually does not know the initial position - so it expects the biggest movement when TVH starts (yep - we can probably read the actual position using DiseqC 2.0, but we send the DiseqC commands only one way at the moment).

The times for next movements are calculated regarding the known positions, so TVH won't wait so long.

#### #13 - 2015-11-25 14:26 - Trex the Daemon

Jaroslav Kysela wrote:

I explained it. TVH actually does not know the initial position - so it expects the biggest movement when TVH starts (yep - we can probably read the actual position using DiseqC 2.0, but we send the DiseqC commands only one way at the moment).

The times for next movements are calculated regarding the known positions, so TVH won't wait so long.

So that means that after startup, TVH will wait 120s no matter what BEFORE it starts to stream anything ? Well, that seems to me not the best solution. Why not try to lock on the channel meanwhile ?

I thought that setting refers to the initial maximum delay that tvh will wait until declaring timeout.

#### #14 - 2015-11-25 20:40 - Jaroslav Kysela

Too much work - this time interval is used only once after start. Also, there might be other transponders with same parameters on the "way" from different satellites, so it's not as easy to wait only for "lock".

#### #15 - 2015-12-04 14:13 - Trex the Daemon

Well, it seems that reducing the timeout solves the problem.

Meanwhile updated to kernel 4.3, but the issue was solved with reducing the timeout.

Thanks for support, I suppose this thread can be closed.

Trex the Daemon wrote:

Jaroslav Kysela wrote:

I explained it. TVH actually does not know the initial position - so it expects the biggest movement when TVH starts (yep - we can probably read the actual position using DiseqC 2.0, but we send the DiseqC commands only one way at the moment).

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#### #16 - 2015-12-31 16:04 - Jaroslav Kysela

- Status changed from New to Invalid

#### Files

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tvheadend_Screenshot.jpg	34.3 KB	2015-11-20	Trex the Daemon
tvheadend.log	85.7 KB	2015-11-20	Trex the Daemon
tvheadend.log	59.4 KB	2015-11-25	Trex the Daemon