

Tvheadend - Bug #5414

linuxdvb: allow bigger initial sleep time before the first command is send to rotor

2018-12-10 21:38 - P B

Status:	New	Start date:	2018-12-10
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Affected Versions:	
Found in version:	HTS Tvheadend 4.2.7-35~g44ac78d26		
Description			
Just updated from 16.04 to 18.04, and now tvheadend is no longer able to get data from the satellite.			
I'm using the out-of-the-box kernel drivers, as the ones by dvbsky are for older kernel versions.			
The card seems to be recognised at startup, though:			
<pre>pbienst@TV-server:~\$ dmesg grep -i dvb [3.316495] SMI PCIe driver 0000:03:00.0: card detected: DVBSky T9580 V3 [3.432314] dvbdev: DVB: registering new adapter (SMI_DVB) [3.485785] SMI PCIe driver 0000:03:00.0: DVB: registering adapter 0 frontend 0 (Silicon Labs Si2168)... [3.496622] SMI PCIe driver 0000:03:00.0: DVBSky T9580 V3 port 0 MAC: 00:18:33:34:85:51 [3.500823] dvbdev: DVB: registering new adapter (SMI_DVB) [3.580313] SMI PCIe driver 0000:03:00.0: DVB: registering adapter 1 frontend 0 (Montage Technology M88DS3103)... [3.586734] SMI PCIe driver 0000:03:00.0: DVBSky T9580 V3 port 1 MAC: 00:18:33:54:85:52 [3.616009] Registered IR keymap rc-dvbsky [3.616035] rc rc0: IR (DVBSky T9580 V3) as /devices/pci0000:00/0000:00:1c.5/0000:03:00.0/rc/rc0 [3.616061] input: IR (DVBSky T9580 V3) as /devices/pci0000:00/0000:00:1c.5/0000:03:00.0/rc/rc0/input17 [5.748637] m88ds3103 7-0068: downloading firmware from file 'dvb-demod-m88ds3103.fw' [8.454087] SMI PCIe driver 0000:03:00.0: DVB: adapter 1 frontend 0 frequency 0 out of range (950000..2150000) [8.478440] si2168 6-0064: downloading firmware from file 'dvb-demod-si2168-b40-01.fw' [10.272245] SMI PCIe driver 0000:03:00.0: DVB: adapter 0 frontend 0 frequency 0 out of range (42000000..870000000)</pre>			
However, when I try to scan a mux e.g., I always get timeouts...			

History

#1 - 2018-12-10 22:13 - Luis Alves

You should post a tvheadend log.

#2 - 2018-12-11 07:59 - P B

Here's a typical example:

```
Dec 11 02:14:15 TV-server tvheadend1099: subscription: 01C7: "epgrab" subscribing to mux "10803H", weight: 4, adapter: "Montage Technology M88DS3103 : DVB-S #0", network: "Astra 2", service: "Raw PID Subscription"
Dec 11 02:18:02 TV-server tvheadend1099: subscription: 01CB: No input source available for subscription "" to mux "12187H in Astra 3"
Dec 11 02:22:58 TV-server tvheadend1099: message repeated 148 times: [ subscription: 01CB: No input source available for subscription "" to mux "12187H in Astra 3"]
Dec 11 02:23:00 TV-server tvheadend1099: subscription: 01CB: "" unsubscribing
```

#3 - 2018-12-11 08:10 - Jaroslav Kysela

--trace mpegts,linuxdvb,diseqc - <https://tvheadend.org/projects/tvheadend/wiki/Traces>

Check the configuration in the Input adapters tab.

#4 - 2018-12-11 08:29 - P B

```
2018-12-11 09:26:52.948 [ INFO]:dvr: "Breakfast" on "BBC One HD" recorder starting
2018-12-11 09:26:52.948 [ INFO]:dvr: About to set stop timer for "Breakfast" on "BBC One HD" at start 1544508000 and original stop 1544519700 and overall stop at 1544520600
2018-12-11 09:26:52.948 [ DEBUG]:service: 2: BBC One HD si 0x7fee4400af00 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10 error 0 (OK)
```

2018-12-11 09:26:52.948 [INFO]:mpegts: 10847V in Astra 2 - tuning on Montage Technology M88DS3103 : DVB-S #0
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:52.948 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:52.950 [TRACE]:disecq: initial tone off
2018-12-11 09:26:53.270 [DEBUG]:disecq: rotor already positioned to 27.4E
2018-12-11 09:26:53.270 [DEBUG]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - starting 10847V in Astra 2
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - tuning
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:53.270 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:53.285 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:53.475 [DEBUG]:http: 192.168.2.222: HTTP/1.1 POST /comet/poll - 401
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id -1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:53.581 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:53.596 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id -1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:53.893 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:53.908 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id -1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:54.205 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:54.220 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id -1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 17 => 6

2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:54.517 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:54.532 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id -1 pls_mode ROOT pls_code 1 (freq 1097000)
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 03 => 1097000
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 09:26:54.829 [TRACE]:linuxdvb: S2CMD 01 => 0
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - started
2018-12-11 09:26:54.829 [TRACE]:mpegts: table: mux 0x562478b1cf00 add viasat_baltic 00/00 (0) pid 0039 (57)
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 0039 (57) [16/0x7fee440046e0]
2018-12-11 09:26:54.829 [DEBUG]:tbl-eit: viasat_baltic: installed table handlers
2018-12-11 09:26:54.829 [DEBUG]:tbl-eit: viasat_baltic: grab started
2018-12-11 09:26:54.829 [TRACE]:mpegts: table: mux 0x562478b1cf00 add bat 48/F8 (72) pid 0BBA (3002)
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 0BBA (3002) [16/0x7fee440088d0]
2018-12-11 09:26:54.829 [TRACE]:mpegts: table: mux 0x562478b1cf00 add uk_freesat 00/00 (0) pid 0BBB (3003)
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 0BBB (3003) [16/0x7fee44005bd0]
2018-12-11 09:26:54.829 [DEBUG]:tbl-eit: uk_freesat: installed table handlers
2018-12-11 09:26:54.829 [DEBUG]:tbl-eit: uk_freesat: grab started
2018-12-11 09:26:54.829 [TRACE]:mpegts: table: mux 0x562478b1cf00 add eit 00/00 (0) pid 0012 (18)
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 0012 (18) [20/0x7fee44007250]
2018-12-11 09:26:54.829 [DEBUG]:tbl-eit: eit: installed table handlers
2018-12-11 09:26:54.829 [DEBUG]:tbl-eit: eit: grab started
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 0104 (260) [8/0x562478b1fad0]
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 1518 (5400) [8/0x562478b1fad0]
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 151A (5402) [8/0x562478b1fad0]
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 151C (5404) [8/0x562478b1fad0]
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 151B (5403) [8/0x562478b1fad0]
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 1519 (5401) [8/0x562478b1fad0]
2018-12-11 09:26:54.829 [TRACE]:mpegts: table: mux 0x562478b1cf00 add pmt 02/FF (2) pid 0104 (260)
2018-12-11 09:26:54.829 [DEBUG]:mpegts: 10847V in Astra 2 - open PID 0104 (260) [16/0x7fee4400e100]
2018-12-11 09:26:54.829 [INFO]:subscription: 0002: "DVR: Breakfast" subscribing on channel "BBC One HD", weight: 300, adapter: "Montage Technology M88DS3103 : DVB-S #0", network: "Astra 2", mux: "10847V", provider: "BSkyB", service: "BBC One HD", profile="pass"
2018-12-11 09:26:54.839 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.138 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.140 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.141 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.190 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.191 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.240 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.241 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.290 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.292 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.340 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.342 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.390 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.392 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.440 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.442 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.491 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.492 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.541 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.542 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.591 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.592 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.641 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.642 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.691 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.692 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:26:55.741 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:26:55.743 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)

2018-12-11 09:27:03.753 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:03.801 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:03.803 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:03.851 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:03.853 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:03.902 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:03.903 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:03.952 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:03.953 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.002 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.003 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.052 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.053 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.102 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.104 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.152 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.154 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.202 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.204 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.252 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.254 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.303 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.304 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.353 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.354 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.403 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.404 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.453 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.454 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.503 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.504 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.553 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.555 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.603 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.605 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.653 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.655 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.703 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.705 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.754 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 09:27:04.755 [TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 09:27:04.790 [DEBUG]:service: Astra 2/10847V/BBC One HD: Status changed to [Graceperiod expired] [Data timeout]
2018-12-11 09:27:04.790 [WARNING]:subscription: 0002: service instance is bad, reason: No input detected
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 destroy pmt 02/FF (2) pid 0104 (260)
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 0104 (260) [16/0x7fee4400e100]
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 free pmt 02/FF (2) pid 0104 (260)
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 0104 (260) [8/0x562478b1fad0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 1518 (5400) [8/0x562478b1fad0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 151A (5402) [8/0x562478b1fad0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 151C (5404) [8/0x562478b1fad0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 151B (5403) [8/0x562478b1fad0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 1519 (5401) [8/0x562478b1fad0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - stopping mux
2018-12-11 09:27:04.790 [DEBUG]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - stopping 10847V in Astra 2
2018-12-11 09:27:04.790 [TRACE]:mpegts: Montage Technology M88DS3103 : DVB-S #0 - flush subscribers
2018-12-11 09:27:04.790 [TRACE]:mpegts: 10847V in Astra 2 - flush tables
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 destroy eit 00/00 (0) pid 0012 (18)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 free eit 00/00 (0) pid 0012 (18)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 destroy uk_freesat 00/00 (0) pid 0BBB (3003)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 free uk_freesat 00/00 (0) pid 0BBB (3003)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 destroy bat 48/F8 (72) pid 0BBA (3002)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 free bat 48/F8 (72) pid 0BBA (3002)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 destroy viasat_baltic 00/00 (0) pid 0039 (57)
2018-12-11 09:27:04.790 [TRACE]:mpegts: table: mux 0x562478b1cf00 free viasat_baltic 00/00 (0) pid 0039 (57)
2018-12-11 09:27:04.790 [TRACE]:mpegts: 10847V in Astra 2 - mi=0x562478d7daf0
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 0012 (18) [20/0x7fee44007250]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 0039 (57) [16/0x7fee440046e0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 0BBA (3002) [16/0x7fee440088d0]
2018-12-11 09:27:04.790 [DEBUG]:mpegts: 10847V in Astra 2 - close PID 0BBB (3003) [16/0x7fee44005bd0]
2018-12-11 09:27:04.790 [DEBUG]:epggrab: grab done for 10847V in Astra 2 (stolen)
2018-12-11 09:27:04.790 [DEBUG]:service: 2: BBC One HD si 0x7fee4400af00 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10 error 402 (No input detected)
2018-12-11 09:27:06.790 [DEBUG]:service: 2: BBC One HD si 0x7fee4400af00 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10 error 402 (No input detected)
2018-12-11 09:27:06.790 [NOTICE]:subscription: 0002: No input source available for subscription "DVR: Breakfast" to channel "BBC One HD"


```
2018-12-11 09:27:06.790 [ TRACE]:linuxdvr: Montage Technology M88DS3103 : DVB-S #0 - checking FE status
2018-12-11 09:27:06.790 [ ERROR]:dvr: Recording unable to start: "Breakfast": No input detected
2018-12-11 09:27:08.790 [ DEBUG]:service: 2: BBC One HD si 0x7fee4400af00 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10 error
402 (No input detected)
2018-12-11 09:27:08.790 [ NOTICE]:subscription: 0002: No input source available for subscription "DVR: Breakfast" to channel "BBC One HD"
2018-12-11 09:27:10.790 [ DEBUG]:service: 2: BBC One HD si 0x7fee4400af00 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10 error
402 (No input detected)
2018-12-11 09:27:10.790 [ NOTICE]:subscription: 0002: No input source available for subscription "DVR: Breakfast" to channel "BBC One HD"
```

#5 - 2018-12-11 09:20 - Jaroslav Kysela

Ok, please, set all your muxes to 'PLS mode' 'GOLD' and 'PLS code' to zero. You may select multiple muxes and change those parameters at once for all of them (tick only checkboxes for PLS parameters).

#6 - 2018-12-11 09:41 - P B

I've made that change for the mux I'm using, but it doesn't seem like it makes a difference:

```
2018-12-11 10:38:14.624 [ INFO]:dvr: entry 718baf871ae8b74717b0cf0c878d3dd3 "Defenders UK" on "BBC One HD" starting at 2018-12-11
10:09:30, scheduled for recording by "157.193.240.3"
2018-12-11 10:38:14.624 [ INFO]:dvr: "Defenders UK" on "BBC One HD" recorder starting
2018-12-11 10:38:14.625 [ INFO]:dvr: About to set stop timer for "Defenders UK" on "BBC One HD" at start 1544519700 and original stop
1544522400 and overall stop at 1544523300
2018-12-11 10:38:14.625 [ DEBUG]:service: 2: BBC One HD si 0x7f7764003ca0 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10
error 0 (OK)
2018-12-11 10:38:14.625 [ INFO]:mpepts: 10847V in Astra 2 - tuning on Montage Technology M88DS3103 : DVB-S #0
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 17 =>
6
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 03 => 1097000
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 06 => 2
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 08 => 23000000
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 09 => 2
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 04 => 9
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 12 => 2
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 13 => 2
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 42 => 4204967295
2018-12-11 10:38:14.625 [ TRACE]:linuxdvr: S2CMD 01 => 0
2018-12-11 10:38:14.625 [ TRACE]:disecq: set voltage 13V
2018-12-11 10:38:14.643 [ TRACE]:disecq: initial tone off
2018-12-11 10:38:14.648 [ TRACE]:disecq: set voltage 18V
2018-12-11 10:38:14.665 [ TRACE]:disecq: initial sleep 100ms
2018-12-11 10:38:14.750 [ TRACE]:disecq: site: lat 51.0400, lon 3.7300, alt 0.0000; sat lon 27.4000
2018-12-11 10:38:14.750 [ TRACE]:disecq: rotor angle azimuth 150.5718 elevation 27.5070
2018-12-11 10:38:14.750 [ DEBUG]:disecq: rotor USALS goto 27.4E (motor 26.1 clockwise)
2018-12-11 10:38:14.750 [ TRACE]:disecq: sending disecq (len 5) E0 31 6E E1 A2
2018-12-11 10:38:14.853 [ TRACE]:disecq: waiting 15 seconds to finish setup for USALS
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - started
2018-12-11 10:38:14.853 [ TRACE]:mpepts: table: mux 0x55ee314ca1f0 add viasat_baltic 00/00 (0) pid 0039 (57)
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 0039 (57) [16/0x7f77640047a0]
2018-12-11 10:38:14.853 [ DEBUG]:tbl eit: viasat_baltic: installed table handlers
2018-12-11 10:38:14.853 [ DEBUG]:tbl eit: viasat_baltic: grab started
2018-12-11 10:38:14.853 [ TRACE]:mpepts: table: mux 0x55ee314ca1f0 add bat 48/F8 (72) pid 0BBA (3002)
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 0BBA (3002) [16/0x7f7764005dc0]
2018-12-11 10:38:14.853 [ TRACE]:mpepts: table: mux 0x55ee314ca1f0 add uk_freesat 00/00 (0) pid 0BBB (3003)
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 0BBB (3003) [16/0x7f7764007400]
2018-12-11 10:38:14.853 [ DEBUG]:tbl eit: uk_freesat: installed table handlers
2018-12-11 10:38:14.853 [ DEBUG]:tbl eit: uk_freesat: grab started
2018-12-11 10:38:14.853 [ TRACE]:mpepts: table: mux 0x55ee314ca1f0 add eit 00/00 (0) pid 0012 (18)
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 0012 (18) [20/0x7f7764008ab0]
2018-12-11 10:38:14.853 [ DEBUG]:tbl eit: eit: installed table handlers
2018-12-11 10:38:14.853 [ DEBUG]:tbl eit: eit: grab started
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 0104 (260) [8/0x55ee314ccdc0]
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 1518 (5400) [8/0x55ee314ccdc0]
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 151A (5402) [8/0x55ee314ccdc0]
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 151C (5404) [8/0x55ee314ccdc0]
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 151B (5403) [8/0x55ee314ccdc0]
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 151D (5401) [8/0x55ee314ccdc0]
2018-12-11 10:38:14.853 [ TRACE]:mpepts: table: mux 0x55ee314ca1f0 add pmt 02/FF (2) pid 0104 (260)
2018-12-11 10:38:14.853 [ DEBUG]:mpepts: 10847V in Astra 2 - open PID 0104 (260) [16/0x7f776400a980]
2018-12-11 10:38:14.853 [ INFO]:subscription: 0001: "DVR: Defenders UK" subscribing on channel "BBC One HD", weight: 300, adapter: "Montage
Technology M88DS3103 : DVB-S #0", network: "Astra 2", mux: "10847V", provider: "BSkyB", service: "BBC One HD", profile="pass"
2018-12-11 10:38:17.600 [ DEBUG]:settings: saving to /home/hts/.hts/tvheadend/dvr/log/718baf871ae8b74717b0cf0c878d3dd3
2018-12-11 10:38:29.800 [ TRACE]:disecq: set voltage 13V
```

2018-12-11 10:38:29.818 [TRACE]:diseqc: initial tone off
2018-12-11 10:38:29.823 [DEBUG]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - starting 10847V in Astra-2
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - tuning
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 17 =>
6
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 03 => 1097000
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 06 => 2
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 08 => 23000000
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 09 => 2
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 04 => 9
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 12 => 2
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 13 => 2
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 42 => 4294967295
2018-12-11 10:38:29.823 [TRACE]:linuxdwb: S2CMD 01 => 0
2018-12-11 10:38:29.838 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 17 =>
6
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 03 => 1097000
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 06 => 2
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 08 => 23000000
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 09 => 2
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 04 => 9
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 12 => 2
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 13 => 2
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 42 => 4294967295
2018-12-11 10:38:30.189 [TRACE]:linuxdwb: S2CMD 01 => 0
2018-12-11 10:38:30.204 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 17 =>
6
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 03 => 1097000
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 06 => 2
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 08 => 23000000
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 09 => 2
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 04 => 9
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 12 => 2
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 13 => 2
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 42 => 4294967295
2018-12-11 10:38:30.505 [TRACE]:linuxdwb: S2CMD 01 => 0
2018-12-11 10:38:30.520 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 17 =>
6
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 03 => 1097000
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 06 => 2
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 08 => 23000000
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 09 => 2
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 04 => 9
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 12 => 2
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 13 => 2
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 42 => 4294967295
2018-12-11 10:38:30.814 [TRACE]:linuxdwb: S2CMD 01 => 0
2018-12-11 10:38:30.829 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 17 =>
6
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 03 => 1097000
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 06 => 2
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 08 => 23000000
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 09 => 2
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 04 => 9
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 12 => 2
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 13 => 2
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 42 => 4294967295
2018-12-11 10:38:31.126 [TRACE]:linuxdwb: S2CMD 01 => 0
2018-12-11 10:38:31.141 [TRACE]:linuxdwb: Montage Technology M88DS3103 : DVB-S #0 - frontend clear
2018-12-11 10:38:31.438 [TRACE]:linuxdwb: tuner Montage Technology M88DS3103 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym
23000000 fec 2/3 mod PSK/8 roff 25 is_id 1 pls_mode GOLD pls_code 0 (freq 1097000)2018-12-11 10:38:31.438 [TRACE]:linuxdwb: S2CMD 17 =>
6
2018-12-11 10:38:31.438 [TRACE]:linuxdwb: S2CMD 03 => 1097000
2018-12-11 10:38:31.438 [TRACE]:linuxdwb: S2CMD 06 => 2
2018-12-11 10:38:31.438 [TRACE]:linuxdwb: S2CMD 08 => 23000000


```
2018-12-11 10:38:41.414 [ TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status (ready)
2018-12-11 10:38:41.416 [ TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - status 4 (0000)
2018-12-11 10:38:41.440 [WARNING]:subscription: 0001: service instance is bad, reason: No input detected
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 destroy pmt 02/FF (2) pid 0104 (260)
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 0104 (260) [16/0x7f776400a980]
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 free pmt 02/FF (2) pid 0104 (260)
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 0104 (260) [8/0x55ee314ccdc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 1518 (5400) [8/0x55ee314ccdc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 151A (5402) [8/0x55ee314ccdc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 151C (5404) [8/0x55ee314ccdc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 151B (5403) [8/0x55ee314ccdc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 1519 (5401) [8/0x55ee314ccdc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - stopping mux
2018-12-11 10:38:41.440 [ DEBUG]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - stopping 10847V in Astra 2
2018-12-11 10:38:41.440 [ TRACE]:mpegts: Montage Technology M88DS3103 : DVB-S #0 - flush subscribers
2018-12-11 10:38:41.440 [ TRACE]:mpegts: 10847V in Astra 2 - flush tables
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 destroy eit 00/00 (0) pid 0012 (18)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 free eit 00/00 (0) pid 0012 (18)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 destroy uk_freesat 00/00 (0) pid 0BBB (3003)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 free uk_freesat 00/00 (0) pid 0BBB (3003)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 destroy bat 48/F8 (72) pid 0BBA (3002)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 free bat 48/F8 (72) pid 0BBA (3002)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 destroy viasat_baltic 00/00 (0) pid 0039 (57)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: table: mux 0x55ee314ca1f0 free viasat_baltic 00/00 (0) pid 0039 (57)
2018-12-11 10:38:41.440 [ TRACE]:mpegts: 10847V in Astra 2 - mi=0x55ee3112c680
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 0012 (18) [20/0x7f7764008ab0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 0039 (57) [16/0x7f77640047a0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 0BBA (3002) [16/0x7f7764005dc0]
2018-12-11 10:38:41.440 [ DEBUG]:mpegts: 10847V in Astra 2 - close PID 0BBB (3003) [16/0x7f7764007400]
2018-12-11 10:38:41.440 [ DEBUG]:epggrab: grab done for 10847V in Astra 2 (stolen)
2018-12-11 10:38:41.440 [ DEBUG]:service: 2: BBC One HD si 0x7f7764003ca0 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10
error 402 (No input detected)
2018-12-11 10:38:43.440 [ DEBUG]:service: 2: BBC One HD si 0x7f7764003ca0 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10
error 402 (No input detected)
2018-12-11 10:38:43.440 [ NOTICE]:subscription: 0001: No input source available for subscription "DVR: Defenders UK" to channel "BBC One HD"
2018-12-11 10:38:43.440 [ TRACE]:linuxdvb: Montage Technology M88DS3103 : DVB-S #0 - checking FE status
2018-12-11 10:38:43.440 [ ERROR]:dvr: Recording unable to start: "Defenders UK": No input detected
2018-12-11 10:38:45.440 [ DEBUG]:service: 2: BBC One HD si 0x7f7764003ca0 Montage Technology M88DS3103 : DVB-S #0 weight 0 prio 10
error 402 (No input detected)
2018-12-11 10:38:45.440 [ NOTICE]:subscription: 0001: No input source available for subscription "DVR: Defenders UK" to channel "BBC One HD"
```

#7 - 2018-12-11 10:50 - Joe User

```
2018-12-11 10:38:14.750 [ TRACE]:diseqc: rotor angle azimuth 150.5718 elevation 27.5070
2018-12-11 10:38:14.750 [ DEBUG]:diseqc: rotor USALS goto 27.4E (motor 26.1 clockwise)
```

Is this correct for 28.2E?

#8 - 2018-12-11 11:45 - P B

Yes, I compensate in software for some misalignment of the rotor. This is certainly not a hardware issue: before the upgrade to Ubuntu 18.04 I got very strong signals.

#9 - 2018-12-11 12:22 - Jaroslav Kysela

I'm afraid, but you don't set the PLS parameters right:

```
linuxdvb: S2CMD 42 => 4294967295
```

The value should be zero here.

#10 - 2018-12-11 19:23 - P B

- *File Capture.PNG added*

I doubled checked this (see screenshot), but this does not make a difference:

```
2018-12-11 20:16:18.286 [ TRACE]:linuxdvb: Montage DS3103/TS2022 : DVB-S #0 - frontend clear
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: tuner Montage DS3103/TS2022 : DVB-S #0 tuning to DVB-S2 28.2E freq 10847000 V sym 23000000
fec 2/3 mod PSK/8 roff 25 is_id -1 pls_mode GOLD pls_code 0 (freq 1097000)
```

Note that above it clearly says "pls_mode GOLD pls_code 0", but then still goes on to say "S2CMD 42 => 4294967295":

```
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 17 => 6
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 03 => 1097000
```



```
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 06 => 2
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 08 => 23000000
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 09 => 2
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 04 => 9
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 12 => 2
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 13 => 2
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 42 => 4294967295
2018-12-11 20:16:18.582 [ TRACE]:linuxdvb: S2CMD 01 => 0
```

Just for fun, I tried booting into Ubuntu 18.04 using the previous 16.04 4.4 kernel which contains the older closed source drivers. Tvheadend still did not work, which seems to rule out an issue with the drivers...

#11 - 2018-12-11 20:20 - P B

To make things more complicated, it seems that if I run a `w_scan` first and then start `tvheadend`, things seem to work, at least until the next reboot. It's not entirely consistent though, and sometimes I have to try switching back and forth between two channels / satellites.

#12 - 2018-12-13 20:01 - r 2

Could be related to this bug suffered by S960 model? it seems there is some mutex logic change done in kernel 4.10.

#13 - 2018-12-13 20:02 - r 2

here the link to the discussion:

[\[\[https://forum.libreelec.tv/thread/12452-problems-with-dvbsky-technotrend-usb-dvb-s2-tuners-since-le8/\]\]](https://forum.libreelec.tv/thread/12452-problems-with-dvbsky-technotrend-usb-dvb-s2-tuners-since-le8/)

#14 - 2018-12-13 20:11 - P B

Yes, found that too, but I doubt it's related:

- the symptoms are different
- the bug was introduced in kernel version later than the one I'm running
- it seems to be related to the USB subsystem, and my card is PCI

Any help welcome, though!

#15 - 2018-12-14 11:04 - Jaroslav Kysela

P B wrote:

Note that above it clearly says "pls_mode GOLD pls_code 0", but then still goes on to say "S2CMD 42 => 4294967295":

Sorry, my fault. It's correct. 4294967295 means 0xffffffff which is -1 (no stream id filter).

#16 - 2018-12-14 12:12 - Luis Alves

Jaroslav,

I was looking at the `tvh` tune code and I believe this command shouldn't be here:

https://github.com/tvheadend/tvheadend/blob/master/src/input/mpegts/linuxdvb/linuxdvb_frontend.c#L1895

2 reasons:

- 1) It's a DVBT2 setting inside DVBS if clause
- 2) The `dvb-core` internals map the DVBT2 `plp` id to the same as DVBS stream id:
https://git.linuxtv.org/media_tree.git/tree/drivers/media/dvb-core/dvb_frontend.c#n1475

P B,

For the issue here, please do this (as root):

```
echo "file m88ds3103.c +p" > /sys/kernel/debug/dynamic_debug/control
echo "file dvb_frontend.c +p" > /sys/kernel/debug/dynamic_debug/control
```

Then:

Do a fail tune with `tvheadend` and get log from `/var/log/kern.log` (or `dmesg`)

Do a good tune with `w_scan` and get the log.

That log might tell us what's wrong.

In the end you might want to remove the debug spam from your kernel logs:

```
echo "file m88ds3103.c -p" > /sys/kernel/debug/dynamic_debug/control
echo "file dvb_frontend.c -p" > /sys/kernel/debug/dynamic_debug/control
```

#17 - 2018-12-14 14:19 - Jaroslav Kysela

Luis Alves wrote:

Jaroslav,
I was looking at the tvh tune code and I believe this command shouldn't be here:

https://github.com/tvheadend/tvheadend/blob/master/src/input/mpegts/linuxdvb/linuxdvb_frontend.c#L1895

2 reasons:

- 1) It's a DVBT2 setting inside DVBS if clause
- 2) The dvb-core internals map the DVBT2 plp id to the same as DVBS stream id:
https://git.linuxtv.org/media_tree.git/tree/drivers/media/dvb-core/dvb_frontend.c#n1475

I think that it's for the backwards compatibility with the older drivers where the STREAM_ID DTV identifier was not present.

#18 - 2018-12-14 19:33 - P B

- File kern.log.bad added
- File kern.log.good added
- File kern.log.good.szap added

Here are a few logs, taken one after the other:

kern.log.good: using tvheadend to zap to a few channels, no problems
kern.log.bad: doing a cold reboot, tvheadend can no longer tune to BBC1 (a cold reboot seems the most reliable way to trigger this)
kern.log.good.szap: getting a lock on BBC1 without problems using szap

The strange thing is that now using tvheadend I still don't get a signal on BBC1, so tuning with szap does not seem to be a fool-proof of getting the tuner back in shape.

Usually after changing to many different channels, rotor positions with tvheadend, eventually something will kick in and I start to be able to tune again, but that's not really practical...

#19 - 2018-12-14 20:51 - Luis Alves

Once thing is clear: szap is using the old DVBv3 for ioctl calls.

Anyway, for debugging you should always use a fixed testcase for both szap and tvh.
And how can you be tuning BBC1 on szap and tvh if the tune info is completely different?

Bad, tvh, 1 channel DVB-S2:
delivery_system=6 modulation=9 frequency=1097000 symbol_rate=23000000 inversion=2 pilot=2 rolloff=2 - Failed

Good, tvh, 2 channels DVB-S2:
delivery_system=6 modulation=9 frequency=1274000 symbol_rate=23000000 inversion=2 pilot=2 rolloff=2 - OK
delivery_system=6 modulation=9 frequency=1097000 symbol_rate=23000000 inversion=2 pilot=2 rolloff=2 - OK

Good, szap, 1 channels DVB-S:
delivery_system=5 modulation=9 frequency=1023000 symbol_rate=22000000 inversion=2 pilot=2 rolloff=1 - OK

Sorry but makes no sense to compare the tune from szap with tvh!

But are you using a rotor?
If that is true, I think there's nothing wrong with tvheadend, only with the dish pointing.

#20 - 2018-12-15 05:43 - P B

Turns out I as looking at BBC SD with szap and BBC HD with tvh, sorry. Do you want me to take new logs?

I doubt the rotor is an issue, as both are on the same satellite. Anyway, I guess the logs would show what disecq rotor commands are used, if any?

#21 - 2018-12-15 10:34 - Luis Alves

sure:

szap:
m88ds3103 7-0068: msg=e0 10 38 f4

tvh, good:
none

tvh, bad:

none

Apparently you don't have tvh correctly setup...

#22 - 2018-12-15 10:38 - P B

- File tvheadend.log added

- File kern_rotor.log added

OK, progress! Your remark about rotors got me thinking, and I posted someone to monitor rotor movements while I was tuning.

Turns out, if after a cold reset, the first channel you tune to with tvh is on the same rotor position as before shutdown, there's no problem, also not to tune to different satellites afterwards.

However, if the first channel you tune to with tvh is on a different position, then the rotor does not move at all and you obviously won't be able to find a lock. The way to get unstuck is first tuning to a channel on the current rotor position, and then you can move to other positions.

The attached logs are for the following situation:

- tune to Astra 3: success
- cold reboot (cutting the power completely) and starting the logging
- tune to Astra 2: fail
- tune to Astra 3: success
- tune to Astra 2: success

Anyway, thanks again for taking the time to debug this remotely, I know it's frustrating to look at bugs you can't reproduce.

#23 - 2018-12-15 10:42 - P B

BTW, the same issue also occurs on a warm reboot, i.e. without cutting the power.

#24 - 2018-12-15 10:57 - Luis Alves

Any diseqc switch between before (or after) the rotor?

#25 - 2018-12-15 11:15 - P B

No switches, just the rotor.

#26 - 2018-12-15 12:35 - Luis Alves

Jaroslav Kysela wrote:

I think that it's for the backwards compatibility with the older drivers where the STREAM_ID DTV identifier was not present.

You're right, my bad.

It's inside an "elif" so for newer dvb api's it's not even included in the code (and that explains why I wasn't seeing the ioctl on the logs).

#27 - 2018-12-15 12:50 - Luis Alves

P B wrote:

No switches, just the rotor.

Can you post screenshots of your tvheadend lnb/rotor configs?

You need to do some more debugging to understand what's failing to move the rotor on a restart.

Config options I would check:

- "Rotor initialization time (seconds)" - (should be long enough to allow the rotor to boot)
- "Turn off LNB when idle" - make it off (don't turn off rotor to avoid long wait times - at least for debug)

#28 - 2018-12-15 12:57 - Luis Alves

My bad - option "Rotor initialization time (seconds)" is the time tvh waits for rotor movement on start, not the time between powerup and the first diseqc command.

You should check rotor config option:

"Power-up time (ms) (15-200):"

By default is 100ms, it could happen that your rotor needs more time to boot.

It's weird that it has a max of 200ms but you should try it.

If it is not enough, we can try to hack the code for a bigger value.

What rotor you have? (brand/model)

Maybe we can find the boot time in the specs.

#29 - 2018-12-15 13:09 - Luis Alves

Luis Alves wrote:

If it is not enough, we can try to hack the code for a bigger value.

It actually seems that it's not limited to the 200ms.

Try setting to 5000 (5 sec) - if it works, start reducing the time until it fails...

#30 - 2018-12-15 13:46 - P B

- *File Capture.PNG added*

I don't have power-up time in 4.2.7-36~ga1a94dce3 (see screenshot)

This is my rotor:

https://www.amazon.co.uk/gp/product/B003XU3ITO/ref=oh_aui_detailpage_o01_s00?ie=UTF8&psc=1

#31 - 2018-12-15 14:29 - P B

Not sure this is helpful, but the problem even appears without rebooting the system, simply restarting tvheadend is enough.

#32 - 2018-12-15 18:37 - Luis Alves

- *File tvh-rotor-cfg.png added*

P B wrote:

Not sure this is helpful, but the problem even appears without rebooting the system, simply restarting tvheadend is enough.

That's normal.

The rotor power-up time is set on each individual rotor config.

Check the example in attach.

#33 - 2018-12-15 19:08 - Jaroslav Kysela

Just for fun, I tried booting into Ubuntu 18.04 using the previous 16.04 4.4 kernel which contains the older closed source drivers. Tvheadend still did not work, which seems to rule out an issue with the drivers...

So, do you have at least one version of tvh which works even with the older kernel?

I would start to check the diseqc commands which are send to the driver (if there's a difference - --trace diseqc).

#34 - 2018-12-15 19:13 - P B

Sorry to disappoint but...

restart, tune to different rotor position, power-up 100: no success as expected
setting power-up on that rotor position to 5000: still no success

#35 - 2018-12-15 19:18 - Jaroslav Kysela

--trace diseqc,linuxdvb : diff between working / non-working

#36 - 2018-12-15 19:19 - P B

Jaroslav Kysela wrote:

Just for fun, I tried booting into Ubuntu 18.04 using the previous 16.04 4.4 kernel which contains the older closed source drivers. Tvheadend still did not work, which seems to rule out an issue with the drivers...

So, do you have at least one version of tvh which works even with the older kernel?

I would start to check the diseqc commands which are send to the driver (if there's a difference --trace diseqc).

To be honest, I cannot guarantee that I didn't see this issue before, even with the old versions of tvh, kernel and drivers. I seem to recall that I sometimes needed to tune to different satellites to get the thing working, but since I almost never needed to restart tvh, this was very rare. So it's quite possible that this issue was there before, and it just popped back into view because of the restarts due to the distro update.

It's only today that I discovered that the issue is really about tuning to a different rotor position before and after shutdown.

#37 - 2018-12-15 19:31 - Luis Alves

P B wrote:

Sorry to disappoint but...

restart, tune to different rotor position, power-up 100: no success as expected
setting power-up on that rotor position to 5000: still no success

Upload/Check the logs.

Example from your previous log:

```
2018-12-15 11:22:47.489 [ TRACE]:diseqc: set voltage 18V
2018-12-15 11:22:47.507 [ TRACE]:diseqc: initial tone off
2018-12-15 11:22:47.511 [ TRACE]:diseqc: initial sleep 100ms
2018-12-15 11:22:47.596 [ TRACE]:diseqc: site: lat 51.0400, lon 3.7300, alt 0.0000; sat lon 28.2000
2018-12-15 11:22:47.596 [ TRACE]:diseqc: rotor angle azimuth 149.6435 elevation 27.2377
2018-12-15 11:22:47.596 [ DEBUG]:diseqc: rotor USALS goto 28.2E (motor 26.9 clockwise)
2018-12-15 11:22:47.596 [ TRACE]:diseqc: sending diseqc (len 5) E0 31 6E E1 AE
2018-12-15 11:22:47.699 [ TRACE]:diseqc: sending diseqc (len 5) E0 31 6E E1 AE
2018-12-15 11:22:47.801 [ TRACE]:diseqc: waiting 15 seconds to finish setup for USALS
```

You should pay attention to the first tune and check (as seen above in bold):

- The sleep value is indeed the one you setup (should be 5000ms)
- The timespan from the voltage up to when the diseqc command is sent is at least the delay you setup.

This will discard 2 things that can be causing the issue:

- 1) The code is not limiting the value to 200ms (as advertised in the webui).
- 2) The code is really waiting at least the configured amount of time.

In the example above we can see that from powerup to diseqc goes 107ms

#38 - 2018-12-15 21:28 - P B

The code is limiting to 200 ms, even after setting the value to 5000 ms:

```
2018-12-15 22:25:37.792 [ INFO]:mpepts: 11242V in Hotbird - tuning on Montage DS3103/TS2022 : DVB-S #0
2018-12-15 22:25:37.792 [ TRACE]:diseqc: initial tone off
2018-12-15 22:25:37.797 [ TRACE]:diseqc: set voltage 18V
2018-12-15 22:25:37.814 [ TRACE]:diseqc: initial sleep 200ms
2018-12-15 22:25:37.999 [ TRACE]:diseqc: site: lat 51.0400, lon 3.7300, alt 0.0000; sat lon 13.0000
2018-12-15 22:25:37.999 [ TRACE]:diseqc: rotor angle azimuth 168.1380 elevation 30.9587
2018-12-15 22:25:37.999 [ DEBUG]:diseqc: rotor USALS goto 13.0E (motor 10.2 clockwise)
2018-12-15 22:25:37.999 [ TRACE]:diseqc: sending diseqc (len 5) E0 31 6E E0 A3
2018-12-15 22:25:38.102 [ TRACE]:diseqc: sending diseqc (len 5) E0 31 6E E0 A3
2018-12-15 22:25:38.204 [ TRACE]:diseqc: waiting 2 seconds to finish setup for USALS
```

#39 - 2018-12-16 00:23 - Luis Alves

Apply this change:

```
diff --git a/src/input/mpepts/linuxdvtv/linuxdvtv_rotor.c b/src/input/mpepts/linuxdvtv/linuxdvtv_rotor.c
index 86b2791de..0fee3bf6e 100644
--- a/src/input/mpepts/linuxdvtv/linuxdvtv_rotor.c
+++ b/src/input/mpepts/linuxdvtv/linuxdvtv_rotor.c
@@ -438,7 +438,7 @@ linuxdvtv_rotor_tune
     return 0;

     /* Force to 18v (quicker movement) */
-   if (linuxdvtv_satconf_start(lsp, MINMAX(lr->lr_powerup_time, 15, 200), 1))
+   if (linuxdvtv_satconf_start(lsp, MINMAX(lr->lr_powerup_time, 15, 5000), 1))
```

```
return -1;
```

```
/* GotoX */
```

Then test again with 5000.

#40 - 2018-12-16 08:42 - P B

Success!

```
2018-12-16 09:35:29.964 [ INFO]:mpepts: 10847V in Astra 2 - tuning on Montage DS3103/TS2022 : DVB-S #0
2018-12-16 09:35:29.964 [ TRACE]:diseqc: set voltage 13V
2018-12-16 09:35:29.981 [ TRACE]:diseqc: initial tone off
2018-12-16 09:35:29.986 [ TRACE]:diseqc: set voltage 18V
2018-12-16 09:35:30.004 [ TRACE]:diseqc: initial sleep 5000ms
2018-12-16 09:35:34.989 [ TRACE]:diseqc: site: lat 51.0400, lon 3.7300, alt 0.0000; sat lon 28.2000
2018-12-16 09:35:34.989 [ TRACE]:diseqc: rotor angle azimuth 149.6435 elevation 27.2377
2018-12-16 09:35:34.989 [ DEBUG]:diseqc: rotor USALS goto 28.2E (motor 26.9 clockwise)
2018-12-16 09:35:34.989 [ TRACE]:diseqc: sending diseqc (len 5) E0 31 6E E1 AE
2018-12-16 09:35:35.091 [ TRACE]:diseqc: sending diseqc (len 5) E0 31 6E E1 AE
2018-12-16 09:35:35.193 [ TRACE]:diseqc: waiting 15 seconds to finish setup for USALS
```

That seems to have solved the issue, thanks!

Two minor things:

- the upgrade seems to have delete all my EPG:

```
2018-12-16 09:20:03.643 [ INFO] xmltv: xmltv: external socket enabled
2018-12-16 09:20:03.644 [ INFO] epddb: parsing 1975841 bytes
2018-12-16 09:20:03.644 [ ERROR] epddb: corruption detected, some/all data lost
2018-12-16 09:20:03.644 [ INFO] epddb: loaded v2
2018-12-16 09:20:03.644 [ INFO] epddb: config 0
2018-12-16 09:20:03.644 [ INFO] epddb: broadcasts
```

- Is there a reason why the power-up can be set differently for each rotor position? Wouldn't it make more sense to have this in the global rotor config? Ditto for command time.

I'll go back to the ubuntu-stable packages for now. I guess it won't be long until this fix shows up there?

Thanks a lot for helping to track this down!

#41 - 2018-12-16 10:43 - Luis Alves

The fix is easy (just increasing the max delay).

Did you try to reduce the time until it fails? 5sec is too much. I would expect it to work with at least 1 sec.

But I agree with you that it should be a global rotor config (it's a pain to configure it for all rotor position).

#42 - 2018-12-16 11:17 - P B

I haven't yet tried how low I can go, will do this when it's released in stable.

#43 - 2018-12-16 16:30 - Jaroslav Kysela

Unfortunately, the diseqc setup is running inside global_lock mutex, thus we cannot wait for such long time. Even the 200ms was a bit tricky (all diseqc delays are tricky). I need to redesign this code again. The diseqc setup should be run inside the linuxdvtb_frontend_input_thread(), but we should manage a diseqc command queue.

#44 - 2018-12-16 17:26 - P B

Just to repeat, putting 5000ms in the patched code already worked, but perhaps what you're saying is that it's not robust?

#45 - 2018-12-16 22:56 - Luis Alves

The problem of that code is that it is inside the global lock, meaning that tvheadend completely hangs for 5 sec (in your example). 5 sec is an extreme case where it would most likely break other streams in progress, recordings, ...

#46 - 2018-12-19 13:44 - Jaroslav Kysela

- Subject changed from DVBSky T9580 no longer working after update to Ubuntu 18.04 to linuxdvtb: allow bigger initial sleep time before the first command is send to rotor

#47 - 2018-12-20 17:41 - Vlad Lanetz

Hi, i have the same problem. I understand correctly that the only solution at the moment is to increase the power-up time to ~5000ms ?

#48 - 2018-12-21 04:57 - P B

Yes, but for the moment you need to patch and compile your own version of thv to be able to do so.

#49 - 2018-12-21 19:30 - Luis Alves

Vlad Lanetz wrote:

Hi, i have the same problem. I understand correctly that the only solution at the moment is to increase the power-up time to ~5000ms ?

And you probably don't need to set it to 5000, 1000 should work (1 sec).
I would start decreasing the value until it fails to find the optimal time.

Remember that this delay completely hangs tvheadend so the smaller the better and a big value can cause many issues.

#50 - 2019-06-12 10:10 - P B

I was just wondering if there's already any news on this? Thanks!

Files

Capture.PNG	151 KB	2018-12-11	P B
kern.log.good	318 KB	2018-12-14	P B
kern.log.bad	536 KB	2018-12-14	P B
kern.log.good.szap	118 KB	2018-12-14	P B
tvheadend.log	315 KB	2018-12-15	P B
kern_rotor.log	376 KB	2018-12-15	P B
Capture.PNG	32.1 KB	2018-12-15	P B
tvh-rotor-cfg.png	46.9 KB	2018-12-15	Luis Alves