

## Tvheadend - Feature #4762

### Presets for scanning muxes on ASTRA 19.2E are wrong

2017-12-03 09:40 - Jef Bosk

<b>Status:</b>	New	<b>Start date:</b>	2017-12-03
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	Configuration	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
Hi Guys, I hope this information is useful for future releases.			
When setting up tvheadend for the first time, I of course went through the initial setup masks and found out, that the muxes' presets for the Astra 19.2E are outdated. The scan does not even start.			
If in the presets you set the following parameters, the scan will find all channels, both in SD and HD resolution.			
Delivery System <b>DVB-S2</b> Frequency <b>11362000</b> Symbol rate <b>22000000</b> Polarisation <b>H</b> Modulation <b>PSK/8</b> FEC <b>2/3</b>			
These are actually, the official parameters from the German ZDF.			
Cheers			

### History

#### #1 - 2017-12-03 09:50 - saen acro

+1

#### #2 - 2017-12-03 10:06 - Jaroslav Kysela

This transponder is in Linux DTV tables:

```
[CHANNEL]
DELIVERY_SYSTEM = DVBS
FREQUENCY = 12551500
POLARIZATION = VERTICAL
SYMBOL_RATE = 22000000
INNER_FEC = 5/6
INVERSION = AUTO
```

According to lyngsat, it should be alive.

#### #3 - 2017-12-03 10:24 - saen acro

alive but dont include NIT

read in forum there is a lot of similar situations

this tables are outdated and some possitions is missing

example:

39E where data is 8y+

If [#4379](#) implemented, there will not be more this kind of questions

#### #4 - 2017-12-03 12:08 - Jaroslav Kysela

You're not right. The 11361.75H is on 12551.5V transpoder, too:

```
"scan" subscribing to mux "12551.5V", weight: 6, adapter: "SAT>IP DVB-S Tuner #4 (192.168.100.237)", network:
"S19.2E"
network 0001 (1) [ASTRA 1]
```

onid 0085 (133) tsid 000A (10) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11332250 H sym 22000000 fec 3/4 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0085 (133) tsid 000A (10) mux 11332.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03EB (1003) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11243750 H sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03EB (1003) mux 11243.75H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03EC (1004) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11258500 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03EC (1004) mux 11258.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03ED (1005) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11273250 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03ED (1005) mux 11273.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03EE (1006) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11288000 V sym 22000000 fec 2/3 mod PSK/8 roff 20 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03EE (1006) mux 11288V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03EF (1007) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11302750 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03EF (1007) mux 11302.75H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F0 (1008) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11317500 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F0 (1008) mux 11317.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F2 (1010) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11347000 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F2 (1010) mux 11347V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F3 (1011) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11361750 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F3 (1011) mux 11361.75H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F4 (1012) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11376500 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F4 (1012) mux 11376.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F5 (1013) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11391250 H sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F5 (1013) mux 11391.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F7 (1015) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11420750 H sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F7 (1015) mux 11420.75H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F8 (1016) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11435500 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F8 (1016) mux 11435.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03F9 (1017) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11464250 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03F9 (1017) mux 11464.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 03FB (1019) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11493750 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 03FB (1019) mux 11493.75H in S19.2E  
dtag 43 dlen 11

```
onid 0001 (1) tsid 03FC (1020) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11508500 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 03FC (1020) mux 11508.5V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 03FD (1021) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11523250 H sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 03FD (1021) mux 11523.25H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 03FE (1022) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11538000 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 03FE (1022) mux 11538V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 03FF (1023) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S2 19.2E freq 11552750 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 03FF (1023) mux 11552.75H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0401 (1025) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S2 19.2E freq 11582250 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0401 (1025) mux 11582.25H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0402 (1026) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11597000 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0402 (1026) mux 11597V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0403 (1027) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11611750 H sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0403 (1027) mux 11611.75H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0404 (1028) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11626500 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0404 (1028) mux 11626.5V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0407 (1031) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S2 19.2E freq 11670750 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0407 (1031) mux 11670.75H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0408 (1032) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11685500 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0408 (1032) mux 11685V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0409 (1033) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S2 19.2E freq 10964250 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0409 (1033) mux 10964.25H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 040A (1034) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 10979000 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 040A (1034) mux 10979V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 040E (1038) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11038000 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 040E (1038) mux 11038V in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 040F (1039) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S2 19.2E freq 11052750 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 040F (1039) mux 11052.75H in S19.2E
  dtag 43 dlen 11
onid 0001 (1) tsid 0410 (1040) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 11067500 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0410 (1040) mux 11067.5V in S19.2E
  dtag 43 dlen 11
```

onid 0001 (1) tsid 0411 (1041) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11082250 H sym 22000000 fec 3/4 mod PSK/8 roff 20 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0411 (1041) mux 11082.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0412 (1042) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11097000 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0412 (1042) mux 11097V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0414 (1044) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 11126500 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0414 (1044) mux 11126.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0416 (1046) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11156000 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0416 (1046) mux 11156V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0418 (1048) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 11185500 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0418 (1048) mux 11185.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0419 (1049) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 10714250 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0419 (1049) mux 10714.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 041A (1050) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 10729000 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 041A (1050) mux 10729V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 041B (1051) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 10743750 H sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 041B (1051) mux 10743.75H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 041C (1052) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 10758500 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 041C (1052) mux 10758.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 041D (1053) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 10773250 H sym 22000000 fec 3/4 mod PSK/8 roff 20 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 041D (1053) mux 10773.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 041E (1054) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 10788000 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 041E (1054) mux 10788V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 041F (1055) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 10802750 H sym 22000000 fec 3/4 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 041F (1055) mux 10802.75H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0420 (1056) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 10817500 V sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0420 (1056) mux 10817.5V in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0421 (1057) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S2 19.2E freq 10832250 H sym 22000000 fec 2/3 mod PSK/8 roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0421 (1057) mux 10832.25H in S19.2E  
dtag 43 dlen 11  
onid 0001 (1) tsid 0422 (1058) mux <none> (discovery)  
dtag 43 dlen 11  
DVB-S 19.2E freq 10847000 V sym 22000000 fec 5/6 mod QPSK roff 35 is\_id -1 pls\_mode ROOT pls\_code 0  
onid 0001 (1) tsid 0422 (1058) mux 10847V in S19.2E  
dtag 43 dlen 11

```
onid 0001 (1) tsid 0424 (1060) mux <none> (discovery)
  dtag 43 dlen 11
  DVB-S 19.2E freq 10876500 V sym 22000000 fec 5/6 mod QPSK roff 35 is_id -1 pls_mode ROOT pls_code 0
onid 0001 (1) tsid 0424 (1060) mux 10876.5V in S19.2E
  dtag 43 dlen 11
```

There is no reason to do any change for 19.2E.

#### #5 - 2017-12-03 13:41 - saen acro

Sarcastic answer ;)

Why STB's include all frequency onboard

add as backup frequency

this is only satellite with one frequency

Jef Bosk wrote:

```
Delivery System DVB-S2
Frequency 11361750
Symbol rate 22000000
Polarisation H
Modulation PSK/8
FEC 2/3
```

#### #6 - 2017-12-03 21:05 - cilin dro

My sat are outdated i just edit the file with the correct muxes, restart tvh and wuuuala everything is perfect now.

#### #7 - 2017-12-04 00:43 - Joe User

Another small thing to consider is that some of us still use DVB-S only tuners. Yeah, the DVB-S transponders will go away sometime, but until they do...

#### #8 - 2018-05-23 15:37 - Jairus Behrisch

- *File services.png added*

I have the Problem, that I got only 6 services

```
2018-05-23 15:30:57.320 mpegts: 12551.5V in DVB-S Netzwerk - tuning on Montage Technology M88DS3103 #0 : DVB-S
#0
2018-05-23 15:30:57.609 epggrab: 12551.5V in DVB-S Netzwerk - registering mux for OTA EPG
2018-05-23 15:30:57.610 subscription: 000A: "scan" subscribing to mux "12551.5V", weight: 6, adapter: "Montage
Technology M88DS3103 #0 : DVB-S #0", network: "DVB-S Netzwerk", service: "Raw PID Subscription"
2018-05-23 15:31:15.019 mpegts: 12551.5V in DVB-S Netzwerk scan complete
2018-05-23 15:31:15.019 subscription: 000A: "scan" unsubscribing
```

#### #9 - 2018-05-23 16:03 - saen acro

<https://de.kingofsat.net/pos-19.2E.php>

add frequencies manually

#### #10 - 2018-05-23 18:29 - Jairus Behrisch

Ah ok it was my fault. I forgot to set the delivery system to DVB-S2.  
But the new initial MUX should be add to the git repo

#### #11 - 2018-05-23 18:35 - saen acro

<http://tvheadend.org/issues/4379>

This is better

## Files

empfangsparameter-zdfvision-hdtv-astra-100.pdf	167 KB	2017-12-03	Jef Bosk
services.png	80.1 KB	2018-05-23	Jairus Behrisch