

## Tvheadend - Bug #4979

### TVH only allows 8 USB DVB devices?

2018-03-01 03:10 - shengkun zang

<b>Status:</b>	Rejected	<b>Start date:</b>	2018-03-01
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	DVB	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Affected Versions:</b>	
<b>Found in version:</b>	HTS Tvheadend 4.3-861~g715a4a844		
<b>Description</b>			
The device I used is the Panasonic MN88473 USB device. After testing, it can only support 8, and whether it is TVH has been restricted. Whether the user is allowed to dissolve this restriction itself. Thank you for your help.			

### History

#### #1 - 2018-03-01 08:24 - saen acro

This can be a problem of driver you use  
put more then 8 tuners and see

```
tree /dev/dvb  
dmesg | grep frontend
```

#### #2 - 2018-03-01 08:42 - Jaroslav Kysela

TVH supports 32 linux dvb adapters (/dev/dvb/adapter0 - adapter31) .

#### #3 - 2018-03-01 09:09 - shengkun zang

saen acro wrote:

This can be a problem of driver you use  
put more then 8 tuners and see  
[...]

```
root@debian2:/home/stone/tvheadend/build.linux# tree /dev/dvb
```

```
/dev/dvb  
├── adapter0  
│   ├── demux0  
│   ├── dvr0  
│   ├── frontend0  
│   ├── frontend1  
│   └── net0  
├── adapter1  
│   ├── demux0  
│   ├── dvr0  
│   ├── frontend0  
│   ├── frontend1  
│   └── net0  
├── adapter2  
│   ├── demux0  
│   ├── dvr0  
│   ├── frontend0  
│   ├── frontend1  
│   └── net0  
├── adapter3  
│   ├── demux0  
│   ├── dvr0  
│   ├── frontend0  
│   ├── frontend1  
│   └── net0  
└── adapter4  
    ├── demux0  
    ├── dvr0  
    └── frontend0
```

```

|   |--- frontend1
|   |--- net0
|--- adapter5
|   |--- demux0
|   |--- dvr0
|   |--- frontend0
|   |--- frontend1
|   |--- net0
|--- adapter6
|   |--- demux0
|   |--- dvr0
|   |--- frontend0
|   |--- frontend1
|   |--- net0
|--- adapter7
|--- demux0
|--- dvr0
|--- frontend0
|--- frontend1
|--- net0

```

8 directories, 40 files

#### #4 - 2018-03-01 09:11 - shengkun zang

- File TIM 20180301161039.png added

#### #5 - 2018-03-01 09:14 - shengkun zang

root@debian2:/home/stone/tvheadend/build.linux# dmesg | grep frontend

```

[ 7.512612] usb 1-1.4: DVB: registering adapter 0 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 7.512706] usb 1-1.4: DVB: registering adapter 0 frontend 1 (Panasonic MN88473)...
[ 7.789984] usb 4-1.2: DVB: registering adapter 1 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 7.789094] usb 4-1.2: DVB: registering adapter 1 frontend 1 (Panasonic MN88473)...
[ 7.918166] usb 2-1.2: DVB: registering adapter 2 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 7.918314] usb 2-1.2: DVB: registering adapter 2 frontend 1 (Panasonic MN88473)...
[ 8.045778] usb 2-4.1: DVB: registering adapter 3 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 8.045928] usb 2-4.1: DVB: registering adapter 3 frontend 1 (Panasonic MN88473)...
[ 8.177630] usb 2-1.3: DVB: registering adapter 4 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 8.177714] usb 2-1.3: DVB: registering adapter 4 frontend 1 (Panasonic MN88473)...
[ 8.308974] usb 2-4.2: DVB: registering adapter 5 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 8.309056] usb 2-4.2: DVB: registering adapter 5 frontend 1 (Panasonic MN88473)...
[ 8.435601] usb 2-4.3: DVB: registering adapter 6 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 8.435706] usb 2-4.3: DVB: registering adapter 6 frontend 1 (Panasonic MN88473)...
[ 8.562313] usb 2-4.4: DVB: registering adapter 7 frontend 0 (Realtek RTL2832 (DVB-T))...
[ 8.562393] usb 2-4.4: DVB: registering adapter 7 frontend 1 (Panasonic MN88473)...
[ 14.893166] usb 2-4.4: DVB: adapter 7 frontend 0 frequency 0 out of range (174000000..862000000)
[ 15.722294] usb 2-4.4: DVB: adapter 7 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 20.465431] usb 2-4.3: DVB: adapter 6 frontend 0 frequency 0 out of range (174000000..862000000)
[ 21.721388] usb 2-4.3: DVB: adapter 6 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 26.416645] usb 2-4.2: DVB: adapter 5 frontend 0 frequency 0 out of range (174000000..862000000)
[ 27.674965] usb 2-4.2: DVB: adapter 5 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 32.382492] usb 2-1.3: DVB: adapter 4 frontend 0 frequency 0 out of range (174000000..862000000)
[ 33.408696] usb 2-1.3: DVB: adapter 4 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 38.094373] usb 2-4.1: DVB: adapter 3 frontend 0 frequency 0 out of range (174000000..862000000)
[ 39.353573] usb 2-4.1: DVB: adapter 3 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 43.939984] usb 2-1.2: DVB: adapter 2 frontend 0 frequency 0 out of range (174000000..862000000)
[ 45.177800] usb 2-1.2: DVB: adapter 2 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 49.606140] usb 4-1.2: DVB: adapter 1 frontend 0 frequency 0 out of range (174000000..862000000)
[ 50.302361] usb 4-1.2: DVB: adapter 1 frontend 1 frequency 0 out of range (420000000..1002000000)
[ 54.742080] usb 1-1.4: DVB: adapter 0 frontend 0 frequency 0 out of range (174000000..862000000)
[ 55.425173] usb 1-1.4: DVB: adapter 0 frontend 1 frequency 0 out of range (420000000..1002000000)
[58940.430748] usb 2-4.4: DVB: adapter 7 frontend 0 frequency 0 out of range (174000000..862000000)
[58941.670059] usb 2-4.3: DVB: adapter 6 frontend 0 frequency 0 out of range (174000000..862000000)
[58942.918281] usb 2-4.2: DVB: adapter 5 frontend 0 frequency 0 out of range (174000000..862000000)
[58944.164366] usb 2-1.3: DVB: adapter 4 frontend 0 frequency 0 out of range (174000000..862000000)
[58945.665793] usb 2-4.1: DVB: adapter 3 frontend 0 frequency 0 out of range (174000000..862000000)
[58946.915390] usb 2-1.2: DVB: adapter 2 frontend 0 frequency 0 out of range (174000000..862000000)
[58948.123328] usb 4-1.2: DVB: adapter 1 frontend 0 frequency 0 out of range (174000000..862000000)
[58949.323669] usb 1-1.4: DVB: adapter 0 frontend 0 frequency 0 out of range (174000000..862000000)
[59501.460879] usb 2-4.4: DVB: adapter 7 frontend 0 frequency 0 out of range (174000000..862000000)
[59502.717962] usb 2-4.3: DVB: adapter 6 frontend 0 frequency 0 out of range (174000000..862000000)
[59503.967558] usb 2-4.2: DVB: adapter 5 frontend 0 frequency 0 out of range (174000000..862000000)
[59505.216526] usb 2-1.3: DVB: adapter 4 frontend 0 frequency 0 out of range (174000000..862000000)
[59506.712321] usb 2-4.1: DVB: adapter 3 frontend 0 frequency 0 out of range (174000000..862000000)

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[59507.964539] usb 2-1.2: DVB: adapter 2 frontend 0 frequency 0 out of range (174000000..862000000)  
[59509.172542] usb 4-1.2: DVB: adapter 1 frontend 0 frequency 0 out of range (174000000..862000000)  
[59510.372482] usb 1-1.4: DVB: adapter 0 frontend 0 frequency 0 out of range (174000000..862000000)  
[60129.294152] usb 2-4.4: DVB: adapter 7 frontend 0 frequency 0 out of range (174000000..862000000)  
[60130.556012] usb 2-4.3: DVB: adapter 6 frontend 0 frequency 0 out of range (174000000..862000000)  
[60131.801841] usb 2-4.2: DVB: adapter 5 frontend 0 frequency 0 out of range (174000000..862000000)  
[60133.050950] usb 2-1.3: DVB: adapter 4 frontend 0 frequency 0 out of range (174000000..862000000)  
[60134.547629] usb 2-4.1: DVB: adapter 3 frontend 0 frequency 0 out of range (174000000..862000000)  
[60135.807581] usb 2-1.2: DVB: adapter 2 frontend 0 frequency 0 out of range (174000000..862000000)  
[60137.007862] usb 4-1.2: DVB: adapter 1 frontend 0 frequency 0 out of range (174000000..862000000)  
[60138.210569] usb 1-1.4: DVB: adapter 0 frontend 0 frequency 0 out of range (174000000..862000000)  
[60208.413048] usb 2-4.4: DVB: adapter 7 frontend 0 frequency 0 out of range (174000000..862000000)  
[60209.655280] usb 2-4.3: DVB: adapter 6 frontend 0 frequency 0 out of range (174000000..862000000)  
[60210.905347] usb 2-4.2: DVB: adapter 5 frontend 0 frequency 0 out of range (174000000..862000000)  
[60212.152702] usb 2-1.3: DVB: adapter 4 frontend 0 frequency 0 out of range (174000000..862000000)  
[60213.651499] usb 2-4.1: DVB: adapter 3 frontend 0 frequency 0 out of range (174000000..862000000)  
[60214.902563] usb 2-1.2: DVB: adapter 2 frontend 0 frequency 0 out of range (174000000..862000000)  
[60216.111704] usb 4-1.2: DVB: adapter 1 frontend 0 frequency 0 out of range (174000000..862000000)  
[60217.312023] usb 1-1.4: DVB: adapter 0 frontend 0 frequency 0 out of range (174000000..862000000)  
[61680.861877] usb 2-4.4: DVB: adapter 7 frontend 0 frequency 0 out of range (174000000..862000000)  
[61682.114327] usb 2-4.3: DVB: adapter 6 frontend 0 frequency 0 out of range (174000000..862000000)  
[61683.361285] usb 2-4.2: DVB: adapter 5 frontend 0 frequency 0 out of range (174000000..862000000)  
[61684.604754] usb 2-1.3: DVB: adapter 4 frontend 0 frequency 0 out of range (174000000..862000000)  
[61686.105932] usb 2-4.1: DVB: adapter 3 frontend 0 frequency 0 out of range (174000000..862000000)  
[61687.356030] usb 2-1.2: DVB: adapter 2 frontend 0 frequency 0 out of range (174000000..862000000)  
[61688.564412] usb 4-1.2: DVB: adapter 1 frontend 0 frequency 0 out of range (174000000..862000000)  
[61689.767115] usb 1-1.4: DVB: adapter 0 frontend 0 frequency 0 out of range (174000000..862000000)

#### #6 - 2018-03-01 09:18 - shengkun zang

Jaroslav Kysela wrote:

TVH supports 32 linux dvb adapters (/dev/dvb/adapter0 - adapter31) .

I actually picked up 10 USB sticks, but there's no more than 0-7 adapter numbers in the system.

#### #7 - 2018-03-01 10:54 - Jaroslav Kysela

- Status changed from New to Rejected

shengkun zang wrote:

Jaroslav Kysela wrote:

TVH supports 32 linux dvb adapters (/dev/dvb/adapter0 - adapter31) .

I actually picked up 10 USB sticks, but there's no more than 0-7 adapter numbers in the system.

As @seanacro said, it's the driver / kernel issue. You should look for the problem there. Perhaps, the driver supports only 8 identical devices. Closing.

#### Files

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TIM 20180301161039.png	33.2 KB	2018-03-01	shengkun zang
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