



Second try at buying USB TV card that **works** under Linux

And sure, 22 EUR later (cheapest card in the shop which **included** remote) I had working DVB-T under Linux

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Contents: [Dobrica Pavlinu's random unstructured stuff]

- [Dobrica Pavlinu's random unstructured stuff \(Info\)](#)
- [Dobrica Pavlinu's random unstructured stuff \(Firmware\)](#)
- [Dobrica Pavlinu's random unstructured stuff \(info\)](#)
- [Dobrica Pavlinu's random unstructured stuff \(Zagreb frequencies\)](#)
- [Dobrica Pavlinu's random unstructured stuff \(EeePC as TV for my mother\)](#)
- [Dobrica Pavlinu's random unstructured stuff \(dmesg\)](#)
- [Dobrica Pavlinu's random unstructured stuff \(scan\)](#)

Info

http://linuxtv.org/wiki/index.php/Hauppage_WinTV-NOVA-T-Stick

Firmware

```
cd /lib/firmware/  
wget http://www.wi-bw.tfh-wildau.de/~pboettch/home/linux-dvb-firmware/dvb-usb-dib0700-1.10.fw
```

info

```
dpavlin@t61p:~$ lsusb | grep Nova  
Bus 002 Device 003: ID 2040:7070 Hauppauge Nova-T Stick 3
```

Zagreb frequencies

```
T 754000000 8MHz 2/3 NONE AUTO 8k 1/8 NONE # CH27:  
T 642000000 8MHz 2/3 NONE AUTO 8k 1/8 NONE # CH27:  
T 690000000 8MHz 2/3 NONE AUTO 8k 1/8 NONE # CH27:
```

Feed that file to `scan` from `dvb-apps` to get output for `mplayer's channels.conf`

EeePC as TV for my mother

fetchrss: <http://svn.rot13.org/index.cgi/mplayer-eee-tv/rss>

- There was an error: 404 Not Found

dmesg

```
[352538.540055] usb 3-1.1: new high-speed USB device number 32 using ehci-pci  
[352538.648944] usb 3-1.1: New USB device found, idVendor=2040, idProduct=7070, bcdDevice= 1.00  
[352538.648951] usb 3-1.1: New USB device strings: Mfr=1, Product=2, SerialNumber=3  
[352538.648956] usb 3-1.1: Product: Nova-T Stick  
[352538.648960] usb 3-1.1: Manufacturer: Hauppauge  
[352538.648964] usb 3-1.1: SerialNumber: 4032258708  
[352538.682065] dvb-usb: found a 'Hauppauge Nova-T Stick' in cold state, will try to load a firmw  
[352538.682869] usb 3-1.1: firmware: direct-loading firmware dvb-usb-dib0700-1.20.fw  
[352538.885559] dib0700: firmware started successfully.  
[352539.420241] dvb-usb: found a 'Hauppauge Nova-T Stick' in warm state.  
[352539.420476] dvb-usb: will pass the complete MPEG2 transport stream to the software demuxer.  
[352539.420571] dvbdev: DVB: registering new adapter (Hauppauge Nova-T Stick)  
[352539.664695] usb 3-1.1: DVB: registering adapter 0 frontend 0 (DiBcom 7000PC) ...  
[352539.903507] dib0070: DiB0070: successfully identified
```

```
[352539.936061] Registered IR keymap rc-dib0700-rc5
[352539.936410] rc rc0: Hauppauge Nova-T Stick as /devices/pci0000:00/0000:00:1d.0/usb3/3-1/3-1.1/
[352539.936486] input: Hauppauge Nova-T Stick as /devices/pci0000:00/0000:00:1d.0/usb3/3-1/3-1.1/
[352539.936674] rc rc0: lirc_dev: driver dib0700 registered at minor = 0, scancode receiver, no t
[352539.936678] dvb-usb: schedule remote query interval to 50 msecs.
[352539.936682] dvb-usb: Hauppauge Nova-T Stick successfully initialized and connected.
[352539.936876] usbcore: registered new interface driver dvb_usb_dib0700
```

scan

- <https://www.linuxtv.org/wiki/index.php/Scan>
- https://www.linuxtv.org/wiki/index.php/Testing_your_DVB_device

```
dpavlin@klin:~$ mkdir ~/.{a,c,s,t}zap
```

```
dpavlin@klin:~$ scan -v /usr/share/dvb/dvb-legacy/dvb-t/hr-All > .tzap/channels.conf
```

```
dumping lists (4 services)
```

```
[0015]:690000000:INVERSION_AUTO:BANDWIDTH_8_MHZ:FEC_3_4:FEC_AUTO:QAM_64:TRANSMISSION_MODE_8K:GUAR
[0016]:690000000:INVERSION_AUTO:BANDWIDTH_8_MHZ:FEC_3_4:FEC_AUTO:QAM_64:TRANSMISSION_MODE_8K:GUAR
[0017]:690000000:INVERSION_AUTO:BANDWIDTH_8_MHZ:FEC_3_4:FEC_AUTO:QAM_64:TRANSMISSION_MODE_8K:GUAR
[0018]:690000000:INVERSION_AUTO:BANDWIDTH_8_MHZ:FEC_3_4:FEC_AUTO:QAM_64:TRANSMISSION_MODE_8K:GUAR
```

```
dpavlin@klin:~$ /usr/bin/tzap -r -c ~/.tzap/channels.conf "[0018]"
using '/dev/dvb/adapter0/frontend0' and '/dev/dvb/adapter0/demux0'
reading channels from file '/home/dpavlin/.tzap/channels.conf'
```

```
Version: 5.11    FE_CAN { DVB-T }
```

```
tuning to 690000000 Hz
```

```
video pid 0x07f9, audio pid 0x07fa
```

```
status 0f | signal 9dca | snr 00ad | ber 001fffff | unc 00000000 |
```

```
status 1f | signal 9cd0 | snr 00bc | ber 000060a0 | unc 00000000 | FE_HAS_LOCK
```

```
dpavlin@klin:~$ mplayer /dev/dvb/adapter0/dvr0
```