

I wanted a DVB-T USB stick (which I will probably want to plug in [DSM-G600](#) and have network TV in later phase) with ability to receive both analog and DVB-T signal, so I bought [Hauppauge HVR 900](#) while my UK visit.

```
$ lsusb | grep Hauppauge
Bus 005 Device 004: ID 2040:6502 Hauppauge
```

Alternative approach from [mailing list](#) modified to work out-of-the-box on recent Debian box:

Install kernel source and symlink `source` directory which drivers need:

```
sudo ln -s /usr/src/linux /lib/modules/`uname -r`/source
```

Checkout source of userspace tuner and compile it

```
hg clone http://mcentral.de/hg/~mrec/userspace-tuner/
cd userspace-tuner
sudo ./build.sh
cd ..
hg clone http://mcentral.de/hg/~mrec/em28xx-userspace2/
cd em28xx-userspace2
make
modprobe em28xx.ko // this will load the videodev modules
rmmod em28xx.ko
insmod em28xx.ko
```

This instructions still doesn't work

Following older instructions are slight modification of [blog post in German](#) which I used with a bit of [Google translate](#) to make it work on Debian unstable. I will assume that you already have kernel source and build tools, because you **are** running unstable :-)

- dmesg output after plugging in the card: [Hauppauge WinTV HVR Rev. 1.2.dmesg](#)
- [upstream driver](#)

This instructions are based on [spanish ones](#) with updated urls

Fetch drivers

```
mkdir hvr900
cd hvr900/
wget 'http://supportde.terratec.net/modules.php?op=modload&name=Downloads&file=index&req=getit&li
unzip Cinergy_T_USB_XE_Drv_Vista_XP_6.11.23.01.exe
cp Cinergy\ T\ USB\ XE\ BDA\ Driver\ 6.11.23.01\ Windows\ Vista\ \ (32Bit\)\ AF05BDA.sys .
```

Install development tools

```
sudo apt-get install mercurial make gcc libc6-dev kaffeine
```

Checkout latest source

```
hg clone http://mcentral.de/hg/~mrec/v4l-dvb-experimental
```

Extract firmware

```
cd v4l_experimental/xc3028/  
gcc -o convert convert.c
```