

If you want to try SDR radio on the cheap with frequencies between 60MHz and around 1700 MHz you should buy a DVB-T USB stick with the following Chipset: RTL2832U and Elonics 4000. The dutch company [www.redcoon.nl](http://www.redcoon.nl) has just the right USB stick for you: Hama Nano !  
Ordering: [http://www.redcoon.nl/B273515-Hama-USB-DVB-T-Ontvanger\\_Extern](http://www.redcoon.nl/B273515-Hama-USB-DVB-T-Ontvanger_Extern)

I'll have to admit, I ordered on Thursday, it was delivered on Saturday, quick and easy!

How to use this DVB-T stick as an SDR receiver:

1. Plug in the DVB-T stick and stop all installation of drivers, don't even think about installing drivers from the CD! Even ignore the Windows announcement that the driver for the stick was not found!
2. Download the self-contained installer ([ExtIO\\_USRP+FCD+RTL2832+BorIP-BETA\\_Setup.zip](#))
3. Extract this downloaded zip-file in **C:\Program Files\HSDR**
4. Run **ExtIO\_USRP+FCD+RTL2832 + BorIP-1.2 BETA10\_Setup.exe** in **C:\Program Files\HSDR** , check all options, install in destination folder **C:\Program Files\HSDR** and use **HSDR** as startup map.
5. During the install process, you will be asked to install the **Zadig** drivers. If your dongle doesn't automatically show up, select Options then List all Devices. Select Bulk in Interface 0 (NOT 1 if that shows up) and click Install Drivers or Replace Drivers. Close the **Zadig** installer and complete the rest of the install. Please accept to install the Microsoft Visual C++ 2008 and click on repair when asked for during installation.
6. Download and copy [librtl2832++.dll](#) into **C:\Program Files\HSDR** , replacing the old one. Not choosing to do so will introduce many errors!
7. Launch HSDR
8. Ignore errors you see on first launch. There should be two windows that open HSDR and Device Control. Select the Device Control window and under "Device Hint" put "RTL readlen=262144 tuner=e4k" without the quotation marks. Click Create. Hopefully it should work and you can go back to the HSDR window, click START (or hit F2) and begin tuning around.
9. Lastly, in the main HSDR-window, click "Start" .
10. Keep a watch to the Device Control window... When the word Started in the LOG-screen disappears you will have to click on Create and then on Start in the main HSDR-window...
11. You can play with the settings in Samplerate : **1.000000** (1 MHZ bandwidth) or **2.000000** (2 MHZ bandwidth)
12. Also the readlen can be varying according to the speed of your computer, try **readlen=65536** or **readlen=131072** or **readlen= 262144** and click on Create, then Start in HSDR-window!