



## Ultra Wide-band Coverage SDR Receiver MK3

- Full coverage reception from 100KHz to 2GHz SDR
- Independent antenna inputs for Shortwave and VHF
- USB computer connection (micro-usb)
- Very High dynamic range receiver
- Low noise pin-diode band switch
- Accurate and efficient band filters
- Very clean audio reception
- SMA golden antenna connectors
- LED power and band indication
- 40MHz local oscillator for HF conversion
- DBM balance diode ring mixer

- Small size board
- Freeware software
- Up to 3.2 M Sample rate.



## Technical data DX-Patrol

@ 14MHz, CW, 500Hz, SDR#	
Noise Floor:	-117dBm
AGC Threshold:	22 $\mu$ V (wideband 2MHz w/ max RF gain -45dBm total)
100 kHz Blocking Range:	77dB (useful range, top-bottom = 77dB)
Reciprocal Mixing Dyn. Range:	76dB
Narrow spacing dyn. range IMD3:	66dB
@ 50MHz	
Narrow spacing dyn. range IMD3:	73dB
@ 144MHz	
Narrow spacing dyn. range IMD3:	63dB

## New MK3 SDR

It offers now a better connection via micro-USB cable into a PC  
Mac or a Android Smartphone and Tablets

The SDR as 2 micro-USB A and B.

USB-A is data and must be the one connected to device.

USB-B is Power assistance connections. (Charging while operating)

Due the short life of batteries of Smartphones and tables, and the power consumption of SDR, you can at same time use the SDR and charge the



tablet just by connecting you charger on USB-B



Toggle switch will select the SMA antenna input.  
The LED light color will indicate.

BLUE= VHF and UP  
ORANGE= Short Wave

Cables antennas and PC

Cable OTG Male-Male to use in any Tablet/Smartphone



Software installation:

Download from here:

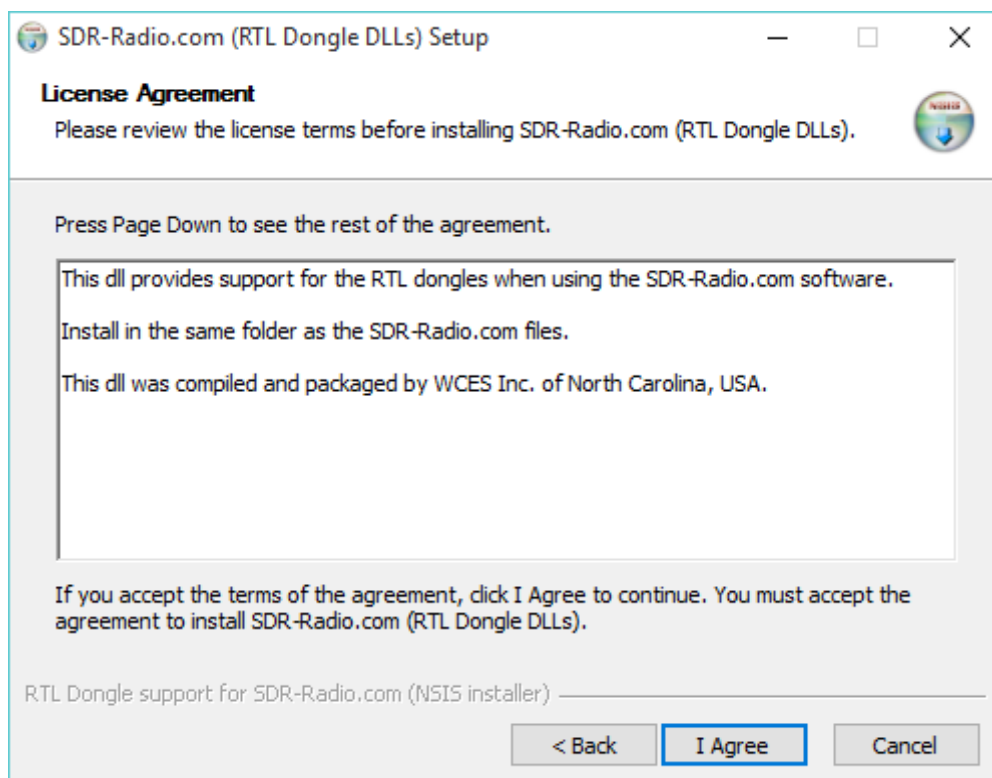
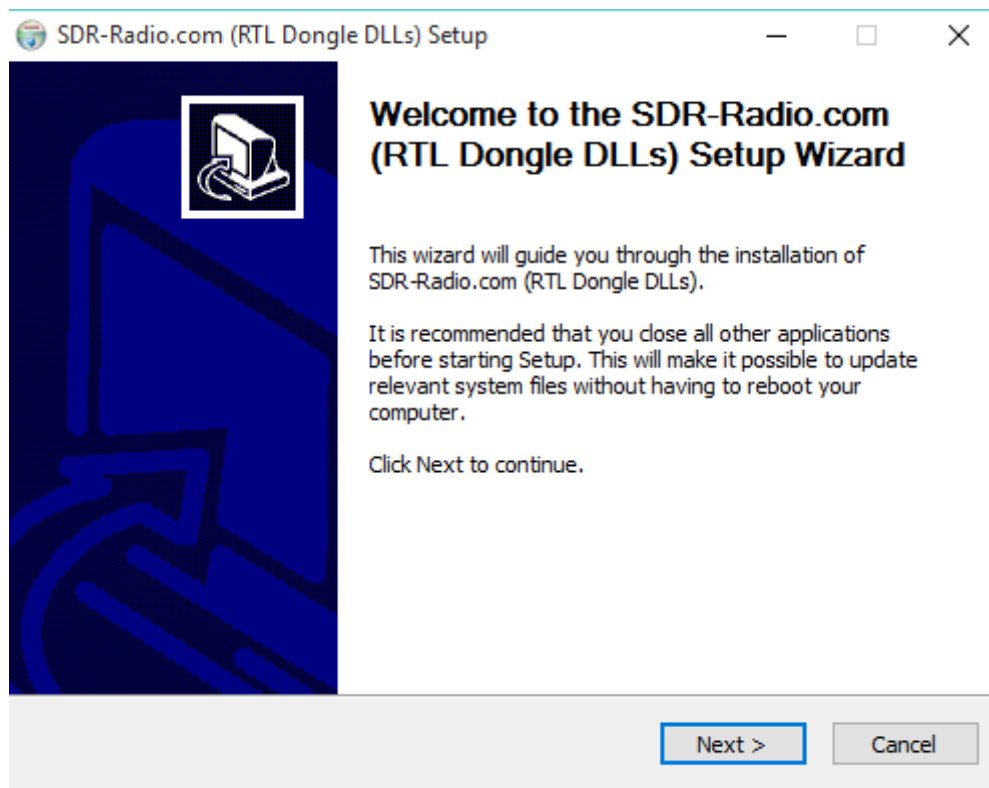
<http://sdr-radio.com/Software/Download/Download-Kits>

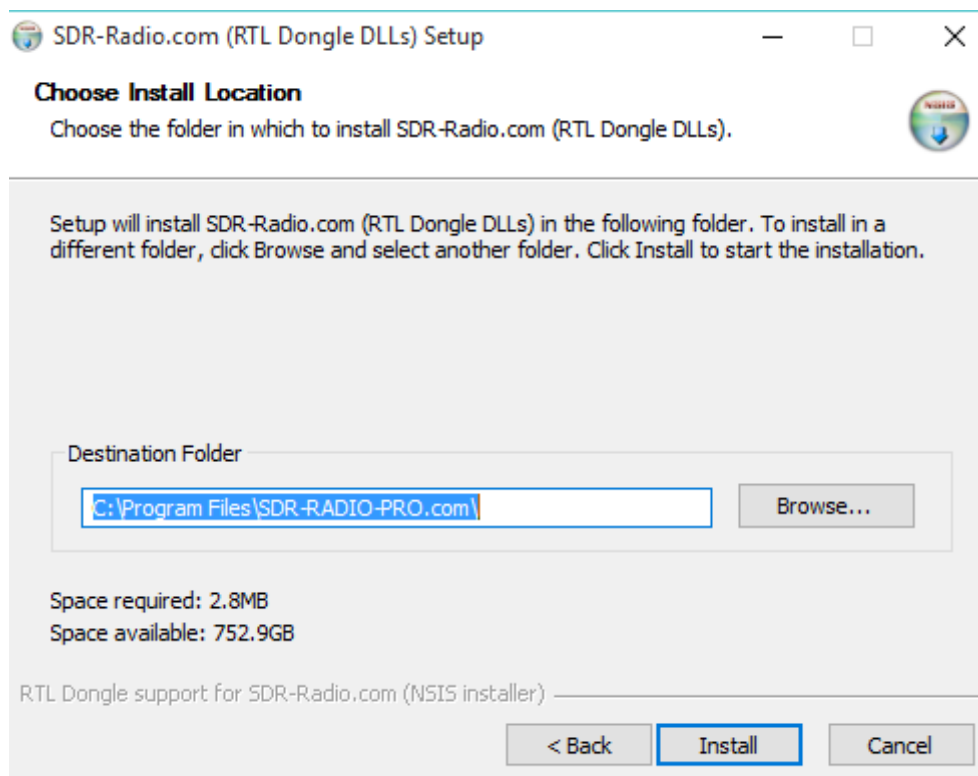
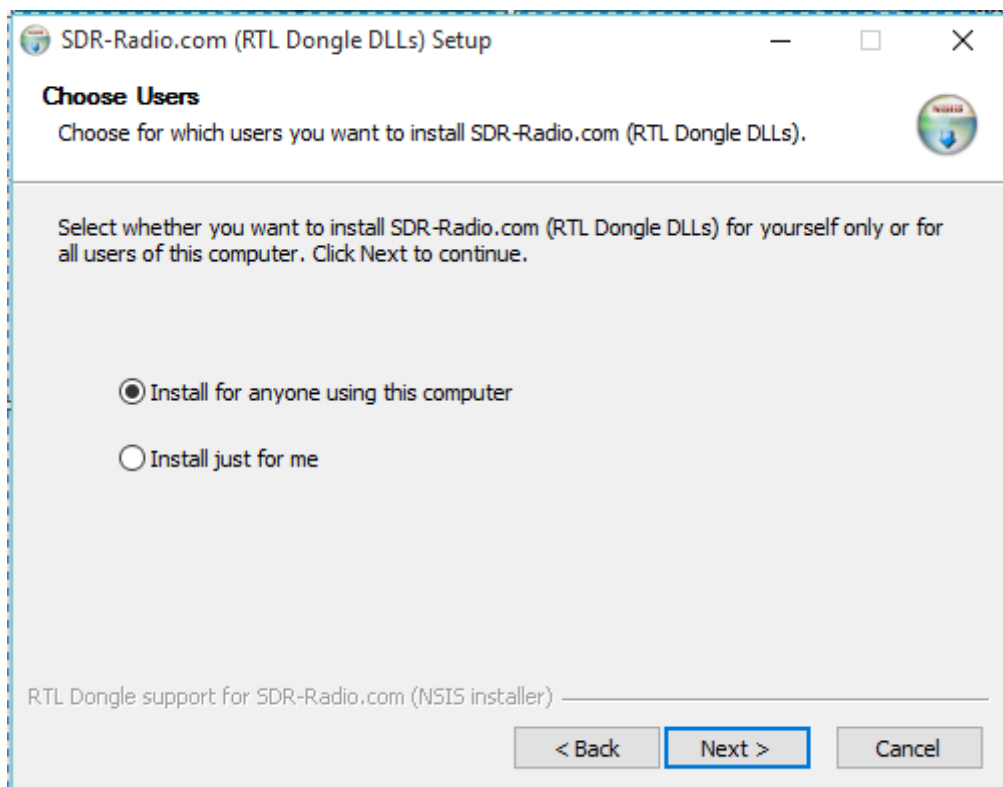
Download and install the latest version os SDR-Radio SDR software

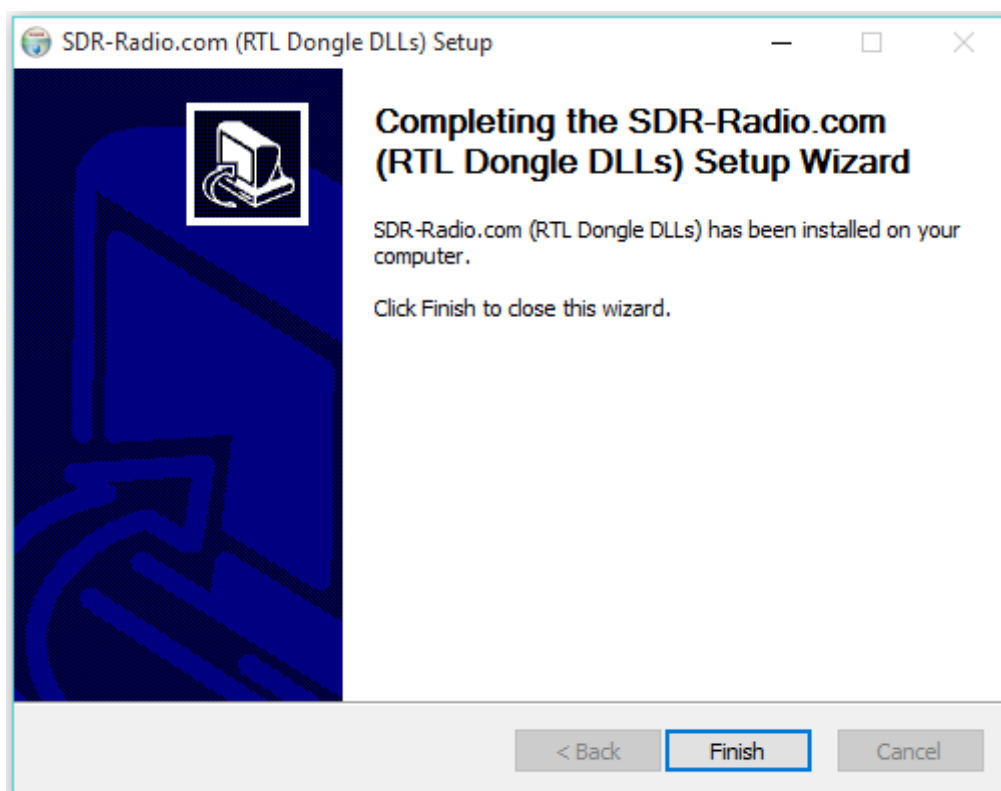
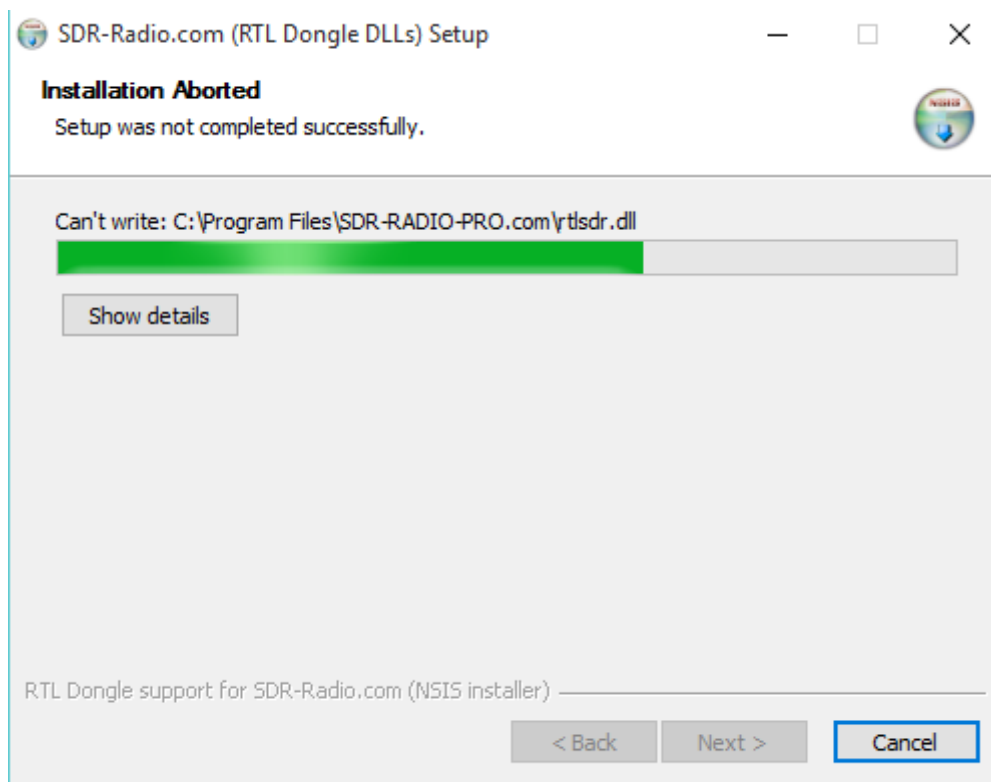
Also download the USB drivers here:

[https://meocloud.pt/link/a894d7f9-1fcf-4412-a5fe-eced48adddd0/-SDR-RADIO-Pro\\_RTLdongleSupport.exe/](https://meocloud.pt/link/a894d7f9-1fcf-4412-a5fe-eced48adddd0/-SDR-RADIO-Pro_RTLdongleSupport.exe/)

## Install SDR-radio and SDR-Drivers USB-RTL





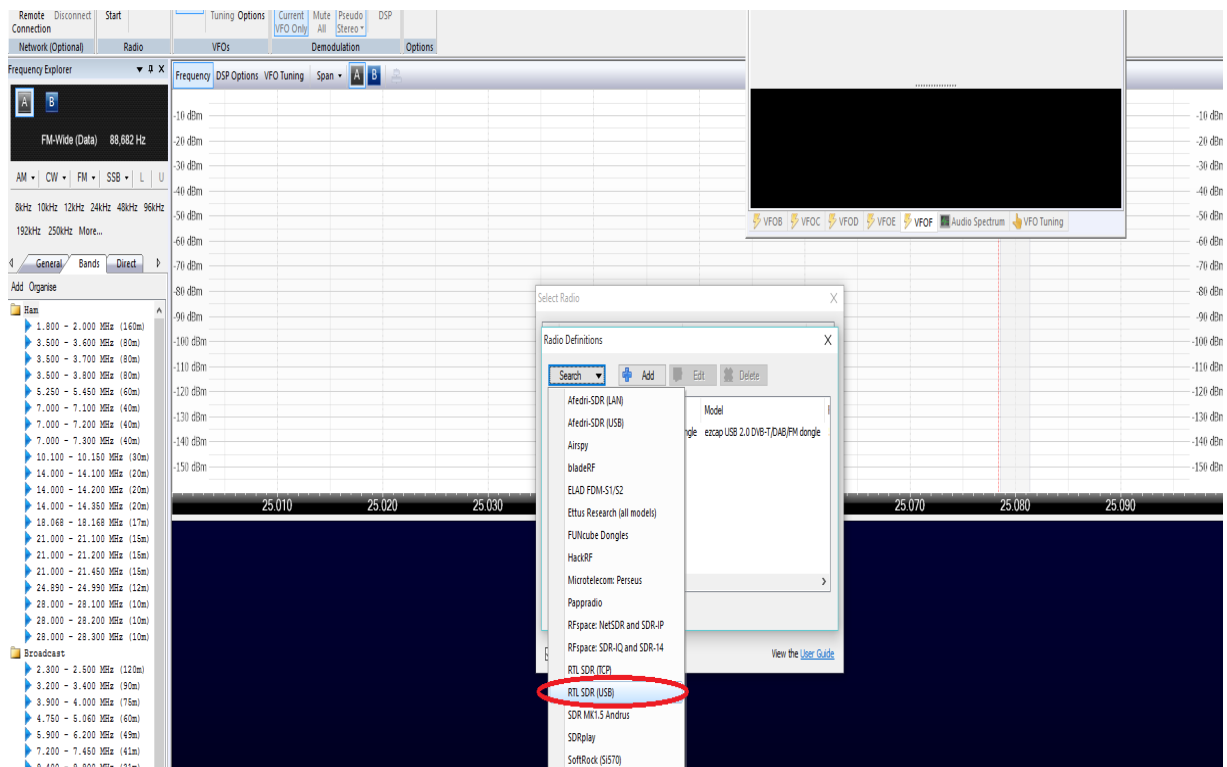


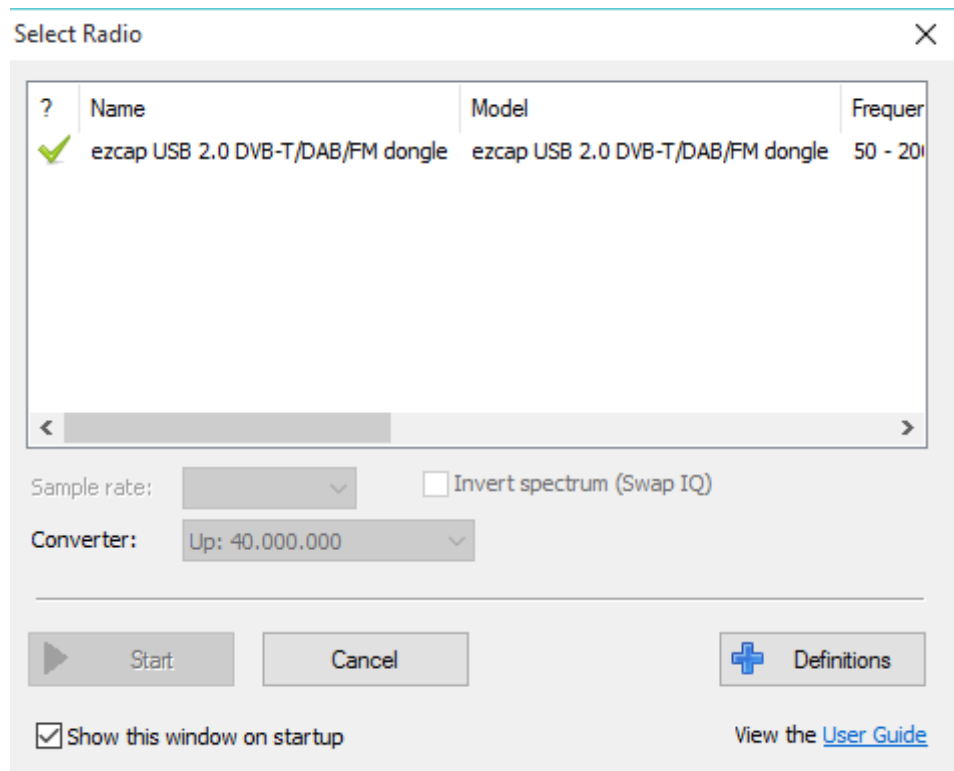


Plug the SDR on the USB connector,  
You will hear a sound on PC speaker indicating that windows have found the device.

The SDR-Radio program will automatic alert you to choose the device on source

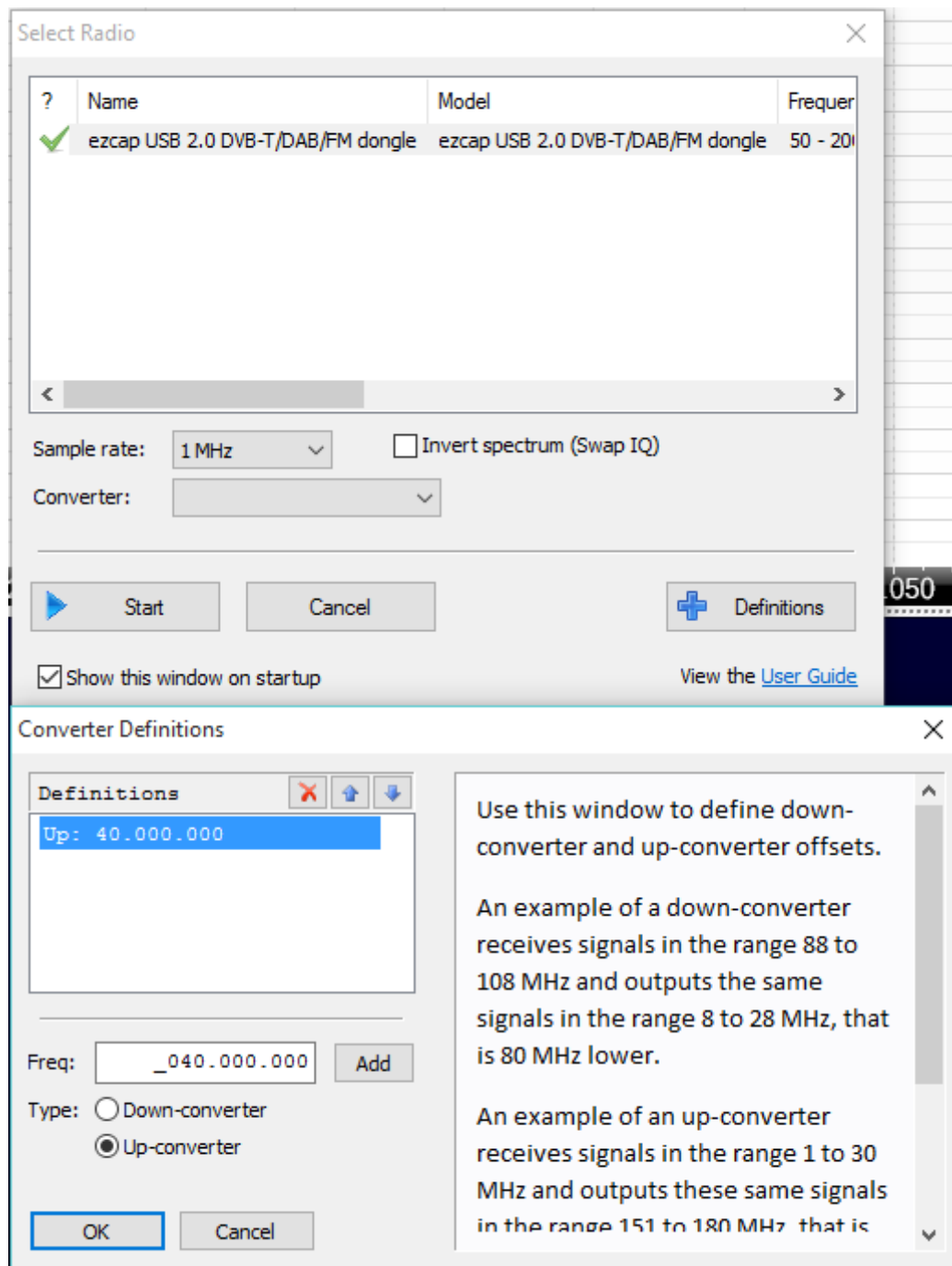
Select the RTL SDR USB



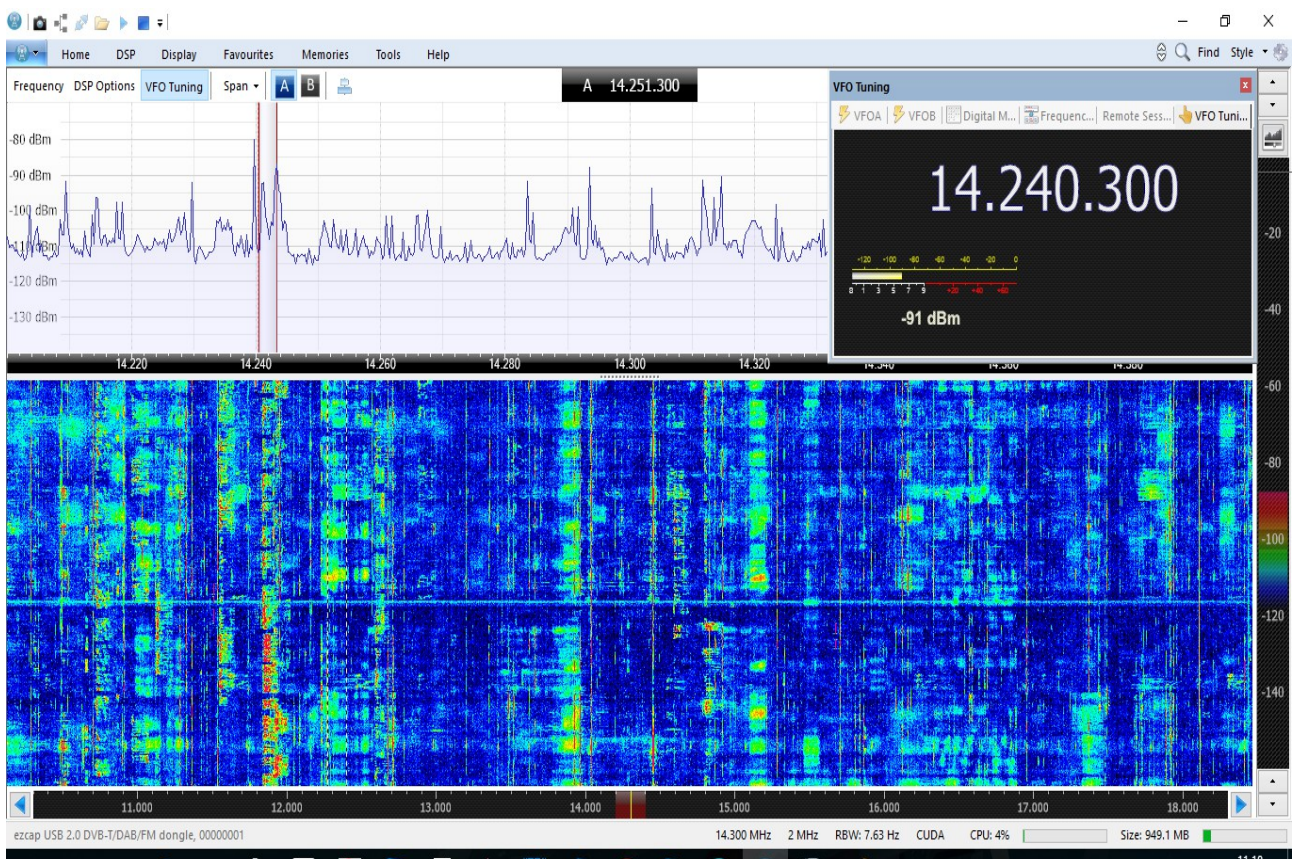
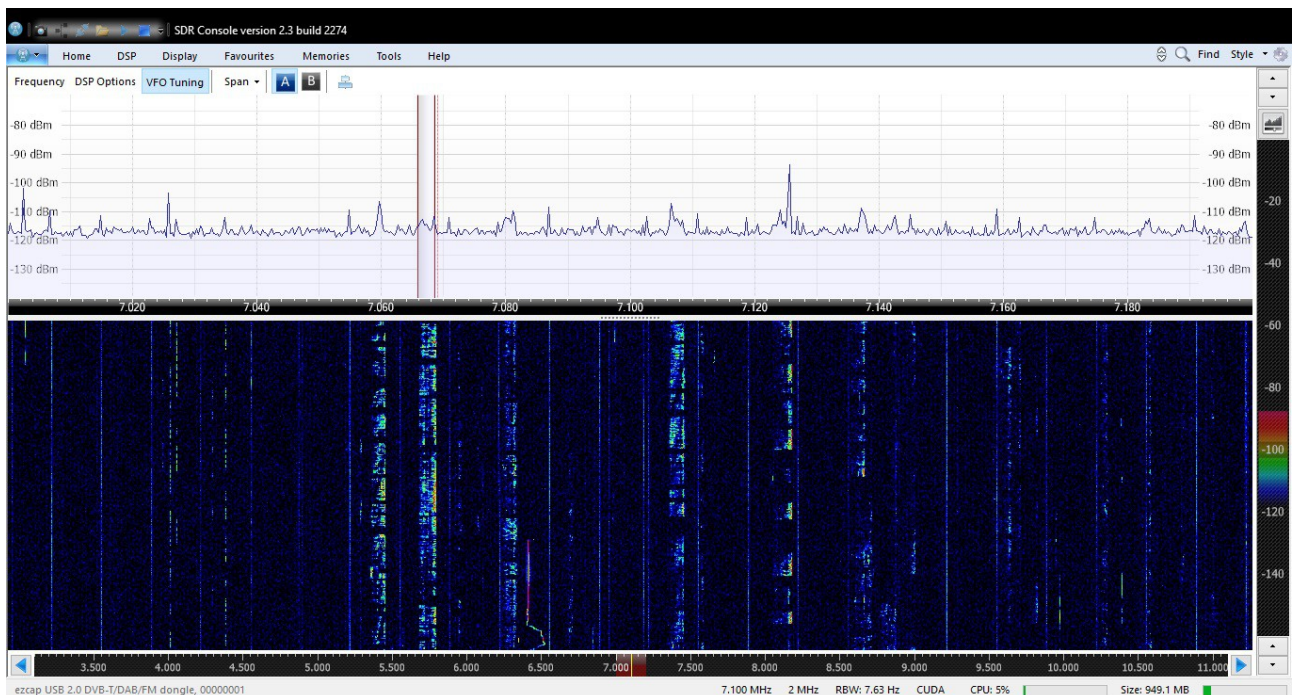


The ezcap USB will turn as Green!

On Converter option select the IF frequency 40Mhz



The SDR is ready to operate on HF and VHF & UP

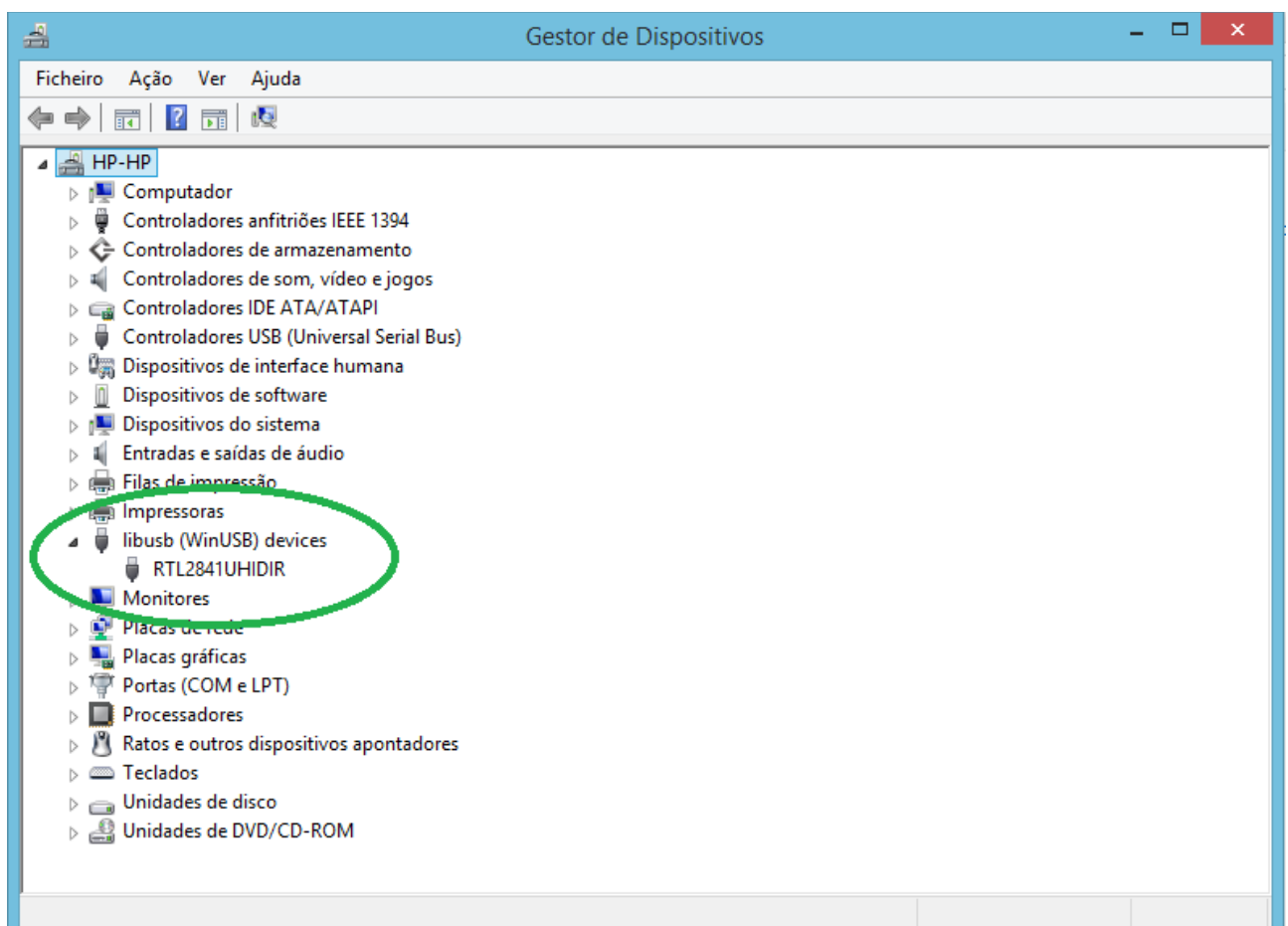


The SDR-radio program is very easy to work. You have all modes for decoding as well lot's of memories broadcast bands, amateur bands etc.



Yahoo Google group: <https://groups.yahoo.com/neo/groups/sdr-radio-com/info>

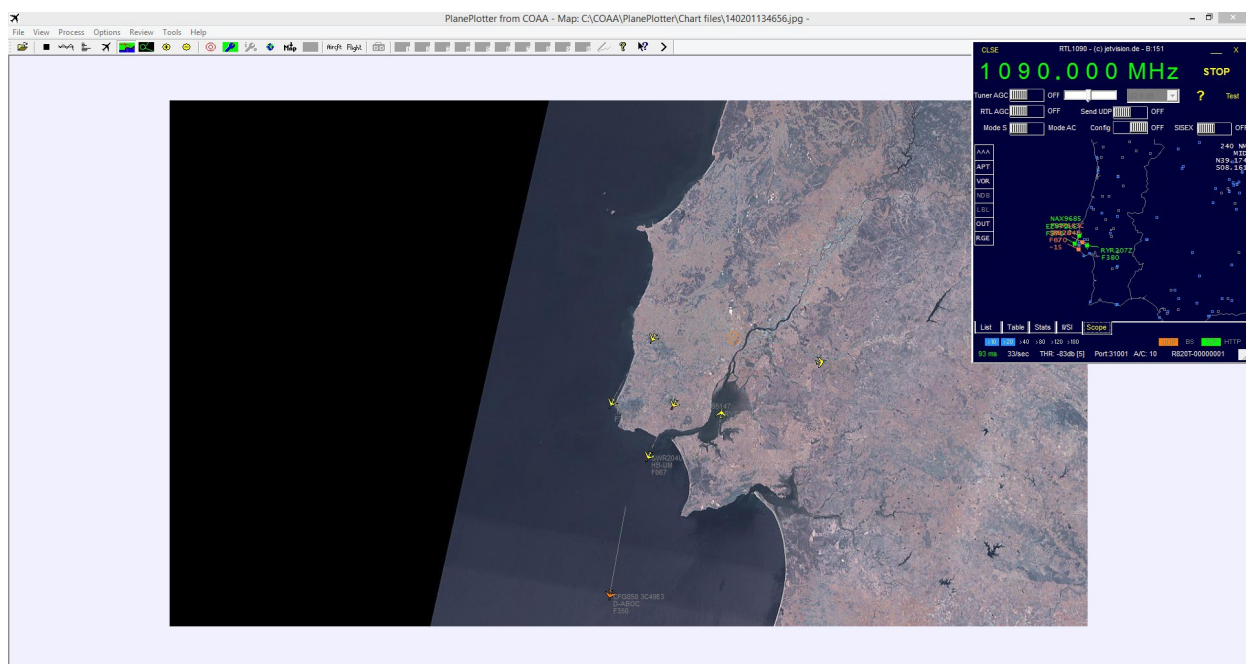
When all drivers are OK, you can check on you Device Manager  
Must be as picture.



Operation with

Plain Viewer RTL1090

GET software here: <http://rtl1090.web99.de/>



NOAA Weather satellites RX : <http://www.rtl-sdr.com/rtl-sdr-tutorial-receiving-noaa-weather-satellite-images/>

There are also many other freeware software's available on internet that you can try.

Gnu radio Linux software:  
<http://rtl-sdr.org/softwarelinux>



Android: [https://play.google.com/store/apps/details?id=marto.rtl\\_tcp\\_andro&hl=pt\\_PT](https://play.google.com/store/apps/details?id=marto.rtl_tcp_andro&hl=pt_PT)



SDR running on android SDR-Touch

other windows programs:



<http://www.hdsdr.de/>

<http://sdr-radio.com/>

etc.

Enjoy the new World of the radio on a SDR device.

Best 73

Tony

CT1FFU

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