

Hands-on Telecommunication Course

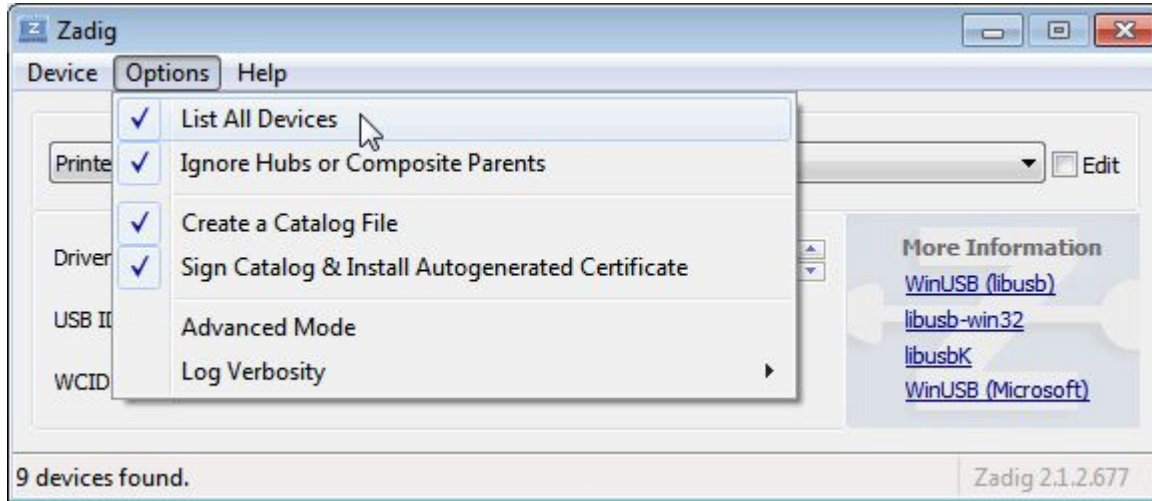
Installation & Exercises

Installations

- SDR# General-Purpose SDR Application
 - <https://airspy.com/?ddownload=3130>
 - Extract to a folder
- Download "install-rtlsdr-blog.bat" from this link and place it into the SDRSharp folder
 - <https://rtl-sdr.com/wp-content/uploads/install-rtlsdr-blog.bat>
 - Double click on install-rtlsdr-blog.bat
- Plug in your dongle
- Right click zadig.exe file and select "Run as administrator".

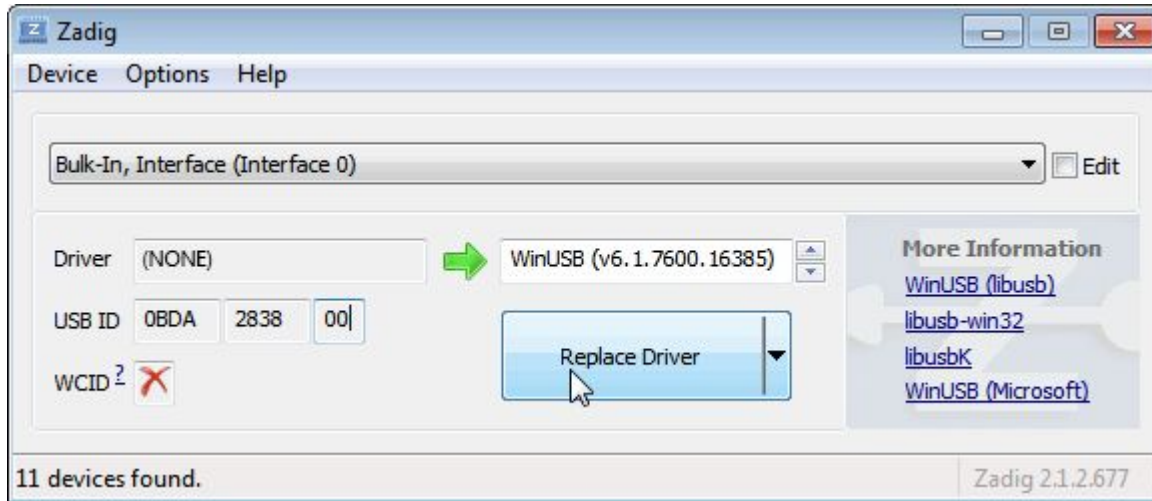
Installations

- In Zadig, go to "Options->List All Devices" and make sure this option is checked. If you are using Windows 10 or 11, in some cases you may need to also uncheck "Ignore Hubs or Composite Parents".



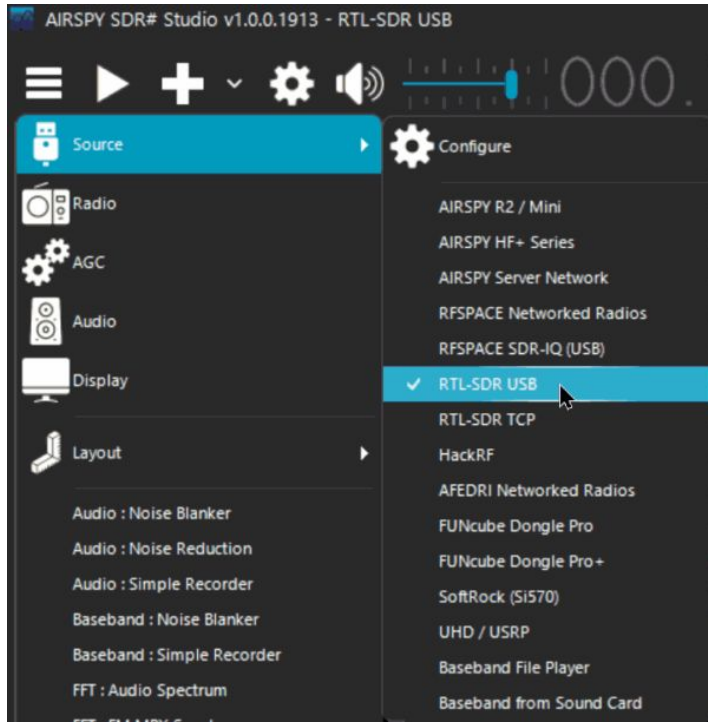
Installations

- Select "Bulk-In, Interface (Interface 0)" from the drop down list. Make sure it is Interface 0 (ZERO), and not "1".



Open SDR#

- Open SDRSharp.exe and set the "Source" to 'RTL-SDR USB'.



“RF” Hello World Demo

- Acquire RF data with RTL-SDR
- Use SDR# as general-purpose SDR application
- Tune to a frequency in FM broadcast band
- Spectrum view
- Spectrogram view
- WBFM demodulation

Hello World: WBFM

