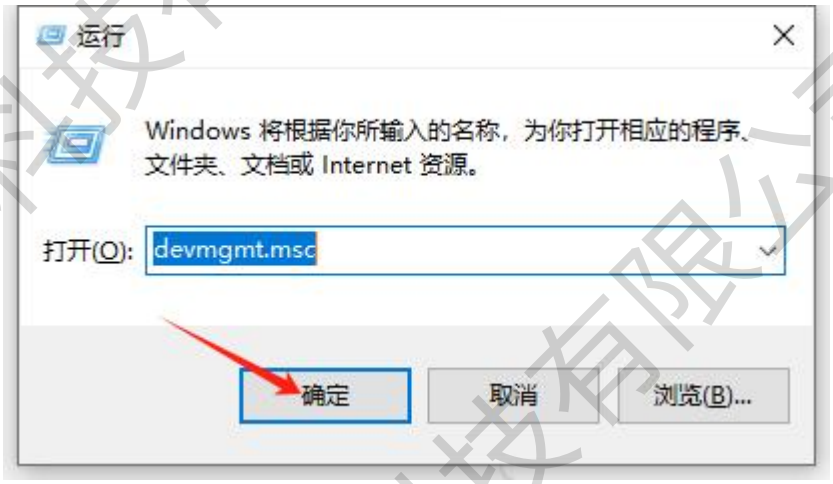
SDR6 用户手册

安装驱动

1. 通过 usb 线连接 SDR 和电脑
2. 查看新增的硬件

   键盘“WIN+R”组合键，输入 devmgmt.msc，点击“确定”。



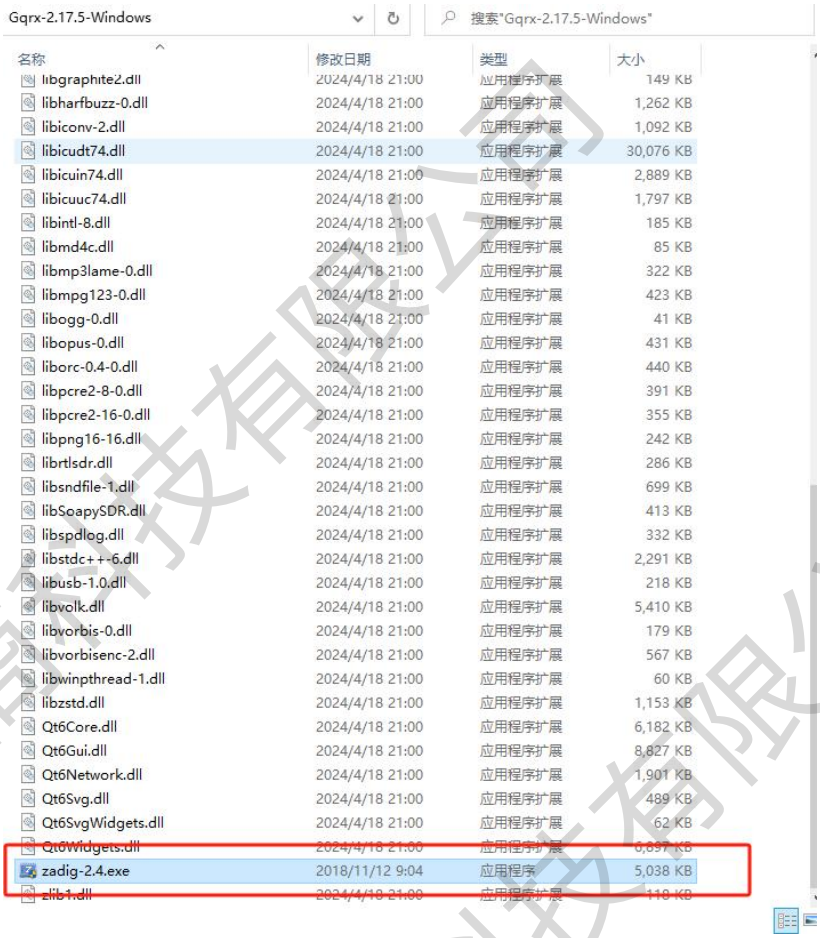
3.

驱动安装成功后，在设备管理中，能看到这种设备

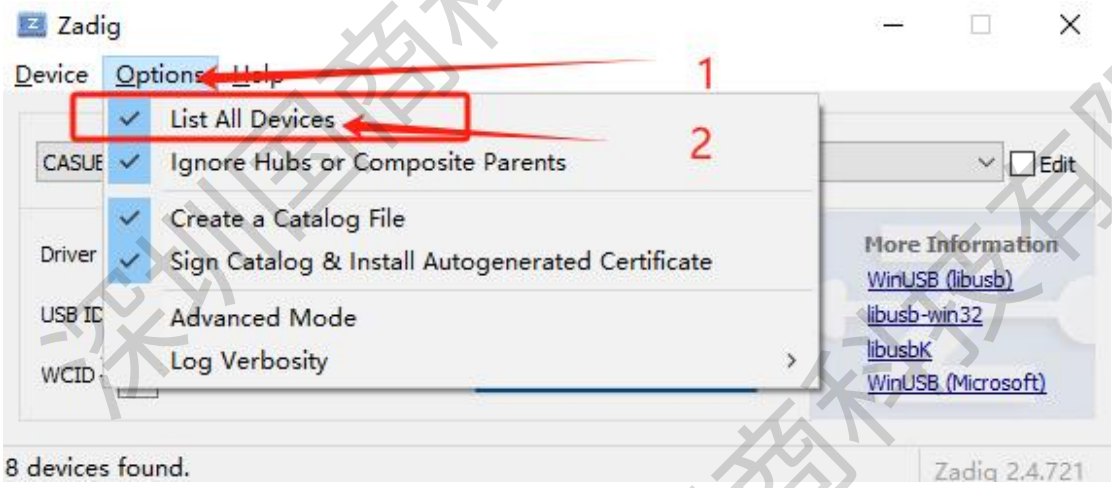


记住这里的设备名称。后续运行软件时会用到。

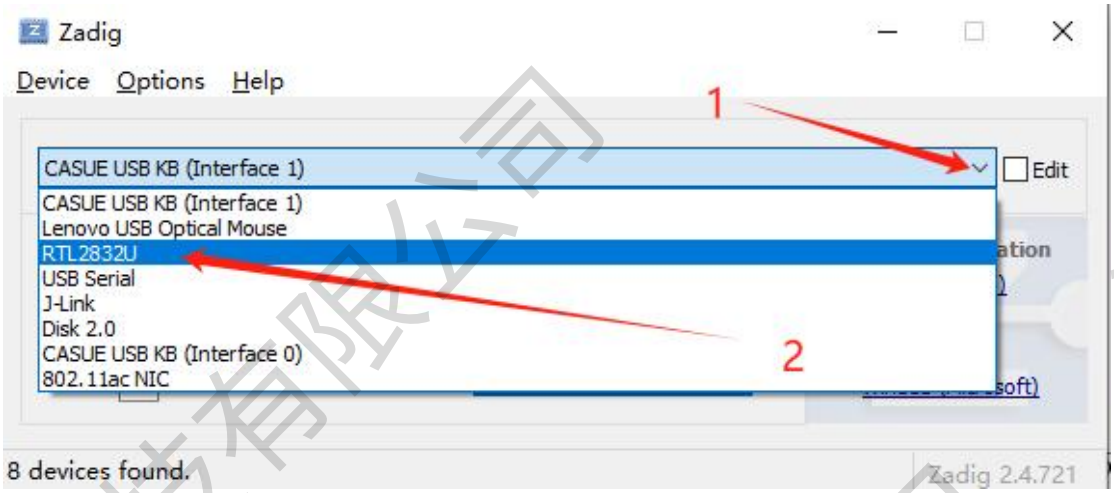
4. 执行驱动安装程序



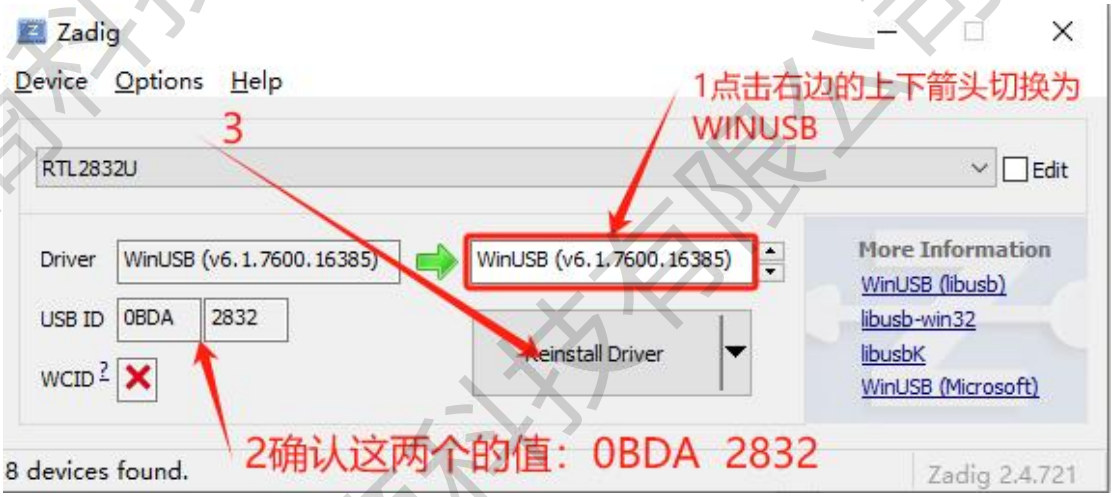
5. 勾选“List All Devices”



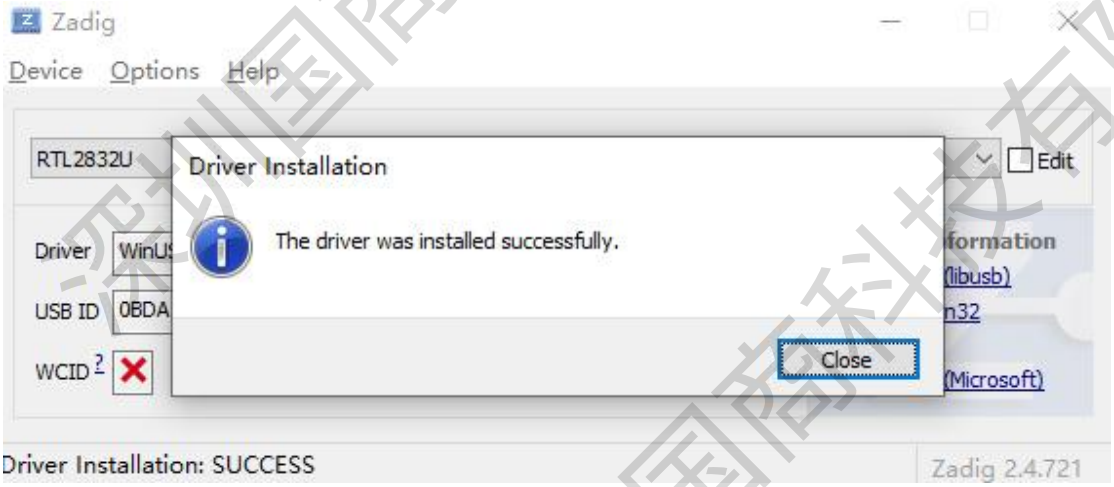
6. 选择“RTL2832U”


Zadig
Device Options Help
1
CASUE USB KB (Interface 1)
Edit
CASUE USB KB (Interface 1)
Lenovo USB Optical Mouse
RTL2832U
USB Serial
J-Link
Disk 2.0
CASUE USB KB (Interface 0)
802.11ac NIC
2
8 devices found.
Zadig 2.4.721

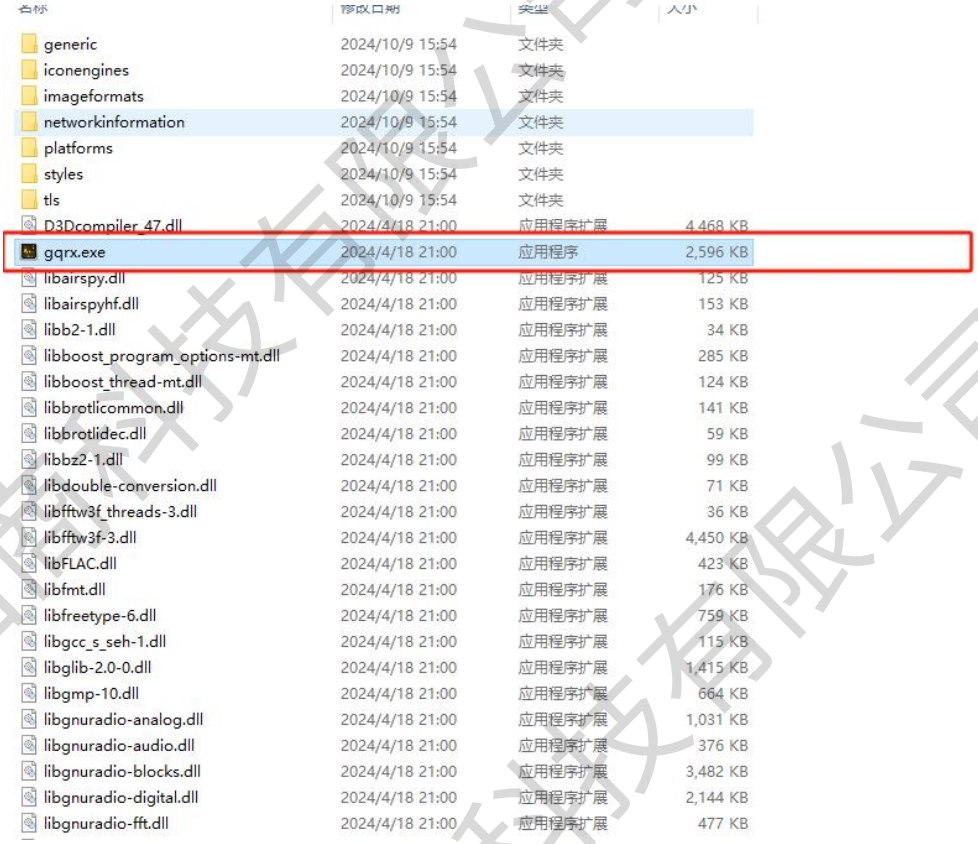
7. 设置


Zadig
Device Options Help
1点击右边的上下箭头切换为WINUSB
3
RTL2832U
Edit
Driver
WinUSB (v6.1.7600.16385)
WinUSB (v6.1.7600.16385)
USB ID
0BDA
2832
WCID
Reinstall Driver
More Information
WinUSB (libusb)
libusb-win32
libusbK
WinUSB (Microsoft)
2确认这两个的值：0BDA 2832
8 devices found.
Zadig 2.4.721

8. 等待安装完成


Zadig
Device Options Help
RTL2832U
Edit
Driver Installation
The driver was installed successfully.
Close
Driver
USB ID
0BDA
WCID
Driver Installation: SUCCESS
Zadig 2.4.721

运行软件

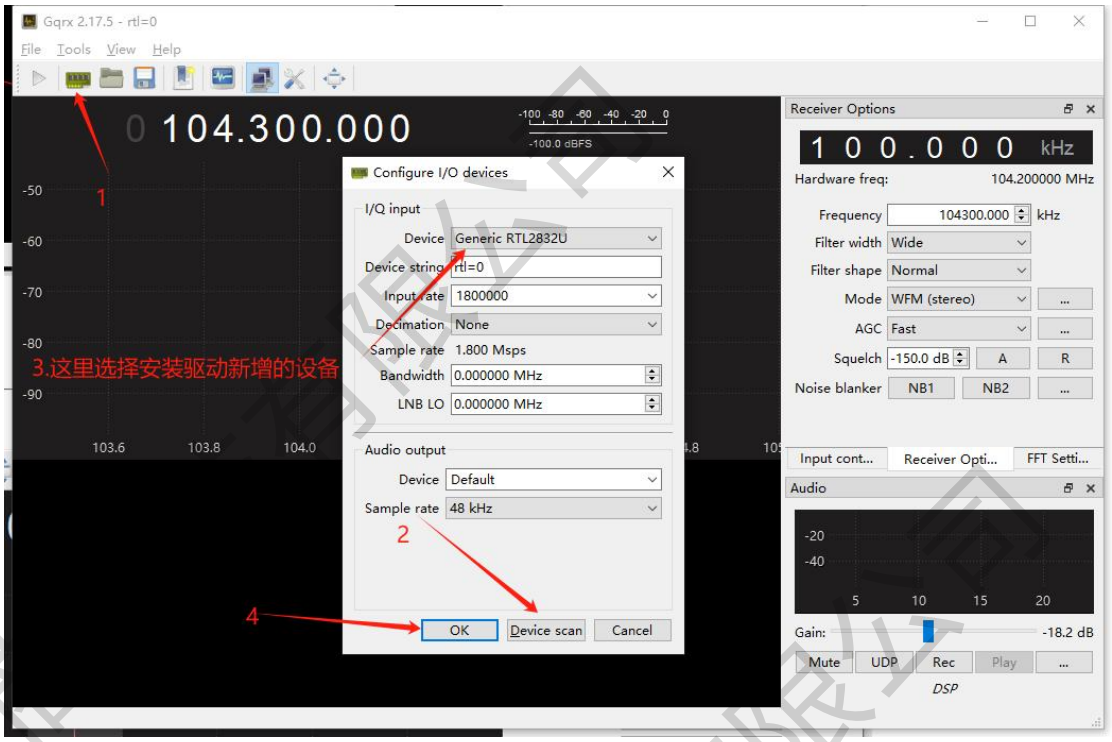


名称	修改日期	类型	大小
generic	2024/10/9 15:54	文件夹	
iconengines	2024/10/9 15:54	文件夹	
imageformats	2024/10/9 15:54	文件夹	
networkinformation	2024/10/9 15:54	文件夹	
platforms	2024/10/9 15:54	文件夹	
styles	2024/10/9 15:54	文件夹	
tls	2024/10/9 15:54	文件夹	
D3Dcompiler_47.dll	2024/4/18 21:00	应用程序扩展	4,468 KB
gqrx.exe	2024/4/18 21:00	应用程序	2,596 KB
libairspy.dll	2024/4/18 21:00	应用程序扩展	125 KB
libairspyhf.dll	2024/4/18 21:00	应用程序扩展	153 KB
libb2-1.dll	2024/4/18 21:00	应用程序扩展	34 KB
libboost_program_options-mt.dll	2024/4/18 21:00	应用程序扩展	285 KB
libboost_thread-mt.dll	2024/4/18 21:00	应用程序扩展	124 KB
libbrotlicommon.dll	2024/4/18 21:00	应用程序扩展	141 KB
libbrotlidec.dll	2024/4/18 21:00	应用程序扩展	59 KB
libbz2-1.dll	2024/4/18 21:00	应用程序扩展	99 KB
libdouble-conversion.dll	2024/4/18 21:00	应用程序扩展	71 KB
libfftw3f_threads-3.dll	2024/4/18 21:00	应用程序扩展	36 KB
libfftw3f-3.dll	2024/4/18 21:00	应用程序扩展	4,450 KB
libFLAC.dll	2024/4/18 21:00	应用程序扩展	423 KB
libfmt.dll	2024/4/18 21:00	应用程序扩展	176 KB
libfreetype-6.dll	2024/4/18 21:00	应用程序扩展	759 KB
libgcc_s_seh-1.dll	2024/4/18 21:00	应用程序扩展	115 KB
libglib-2.0-0.dll	2024/4/18 21:00	应用程序扩展	1,415 KB
libgmp-10.dll	2024/4/18 21:00	应用程序扩展	664 KB
libgnuradio-analog.dll	2024/4/18 21:00	应用程序扩展	1,031 KB
libgnuradio-audio.dll	2024/4/18 21:00	应用程序扩展	376 KB
libgnuradio-blocks.dll	2024/4/18 21:00	应用程序扩展	3,482 KB
libgnuradio-digital.dll	2024/4/18 21:00	应用程序扩展	2,144 KB
libgnuradio-fft.dll	2024/4/18 21:00	应用程序扩展	477 KB

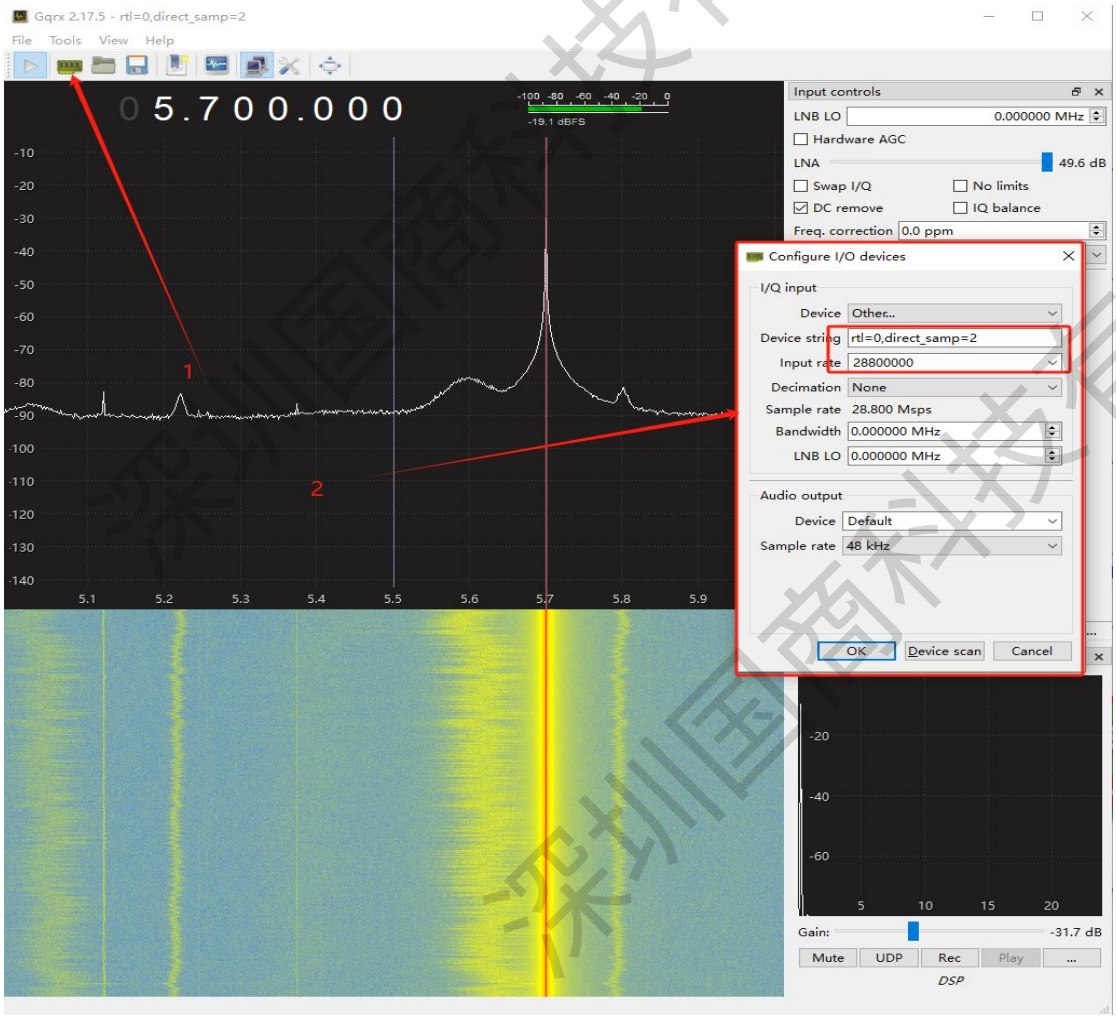
初始界面和常用功能：



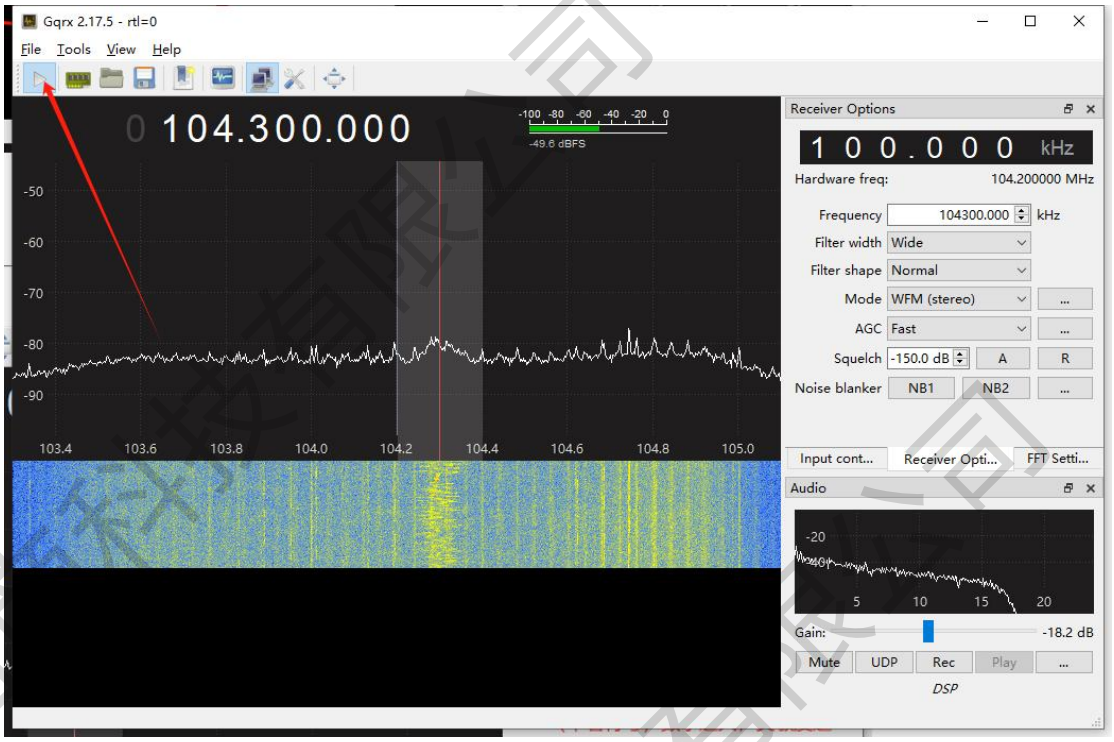
选择设备


Gqrx 2.17.5 - rtl=0
File Tools View Help
0 104.300.000
Configure I/O devices
I/Q input
Device Generic RTL2832U
Device string rtl=0
Input rate 1800000
Decimation None
Sample rate 1.800 Msps
Bandwidth 0.000000 MHz
LNB LO 0.000000 MHz
Audio output
Device Default
Sample rate 48 kHz
OK
Device scan
Cancel
3.这里选择安装驱动新增的设备
Receiver Options
100.000 kHz
Hardware freq: 104.200000 MHz
Frequency 104300.000 kHz
Filter width Wide
Filter shape Normal
Mode WFM (stereo)
AGC Fast
Squelch -150.0 dB
Noise blanker NB1 NB2
Audio
Gain: -18.2 dB
Mute UDP Rec Play
DSP

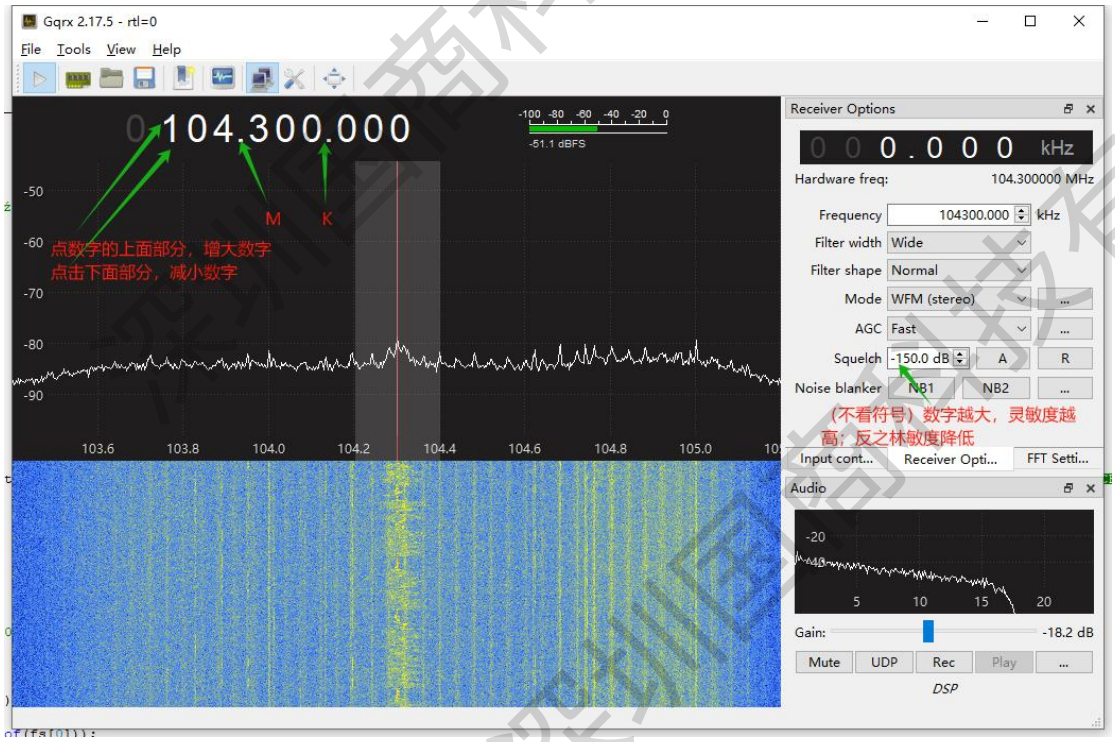
信号接法


Gqrx 2.17.5 - rtl=0,direct_samp=2
File Tools View Help
0 5.700.000
Configure I/O devices
I/Q input
Device Other...
Device string rtl=0,direct_samp=2
Input rate 28800000
Decimation None
Sample rate 28.800 Msps
Bandwidth 0.000000 MHz
LNB LO 0.000000 MHz
Audio output
Device Default
Sample rate 48 kHz
OK
Device scan
Cancel
Input controls
LNB LO 0.000000 MHz
Hardware AGC
LNA 49.6 dB
Swap I/Q
No limits
DC remove
IQ balance
Freq. correction 0.0 ppm
Gain: -31.7 dB
Mute UDP Rec Play
DSP

播放


Gqrx 2.17.5 - rtl=0
File Tools View Help
0 104.300.000
-49.6 dBFS
Receiver Options
1 0 0.0 0 0 kHz
Hardware freq: 104.200000 MHz
Frequency 104300.000 kHz
Filter width Wide
Filter shape Normal
Mode WFM (stereo)
AGC Fast
Squelch -150.0 dB A R
Noise blanker NB1 NB2
Input cont... Receiver Opti... FFT Setti...
Audio
Gain: -18.2 dB
Mute UDP Rec Play
DSP

收音常用设置：


Gqrx 2.17.5 - rtl=0
File Tools View Help
0 104.300.000
-51.1 dBFS
M
K
点数字的上面部分，增大数字
点击下面部分，减小数字
Receiver Options
0 0 0.0 0 0 kHz
Hardware freq: 104.300000 MHz
Frequency 104300.000 kHz
Filter width Wide
Filter shape Normal
Mode WFM (stereo)
AGC Fast
Squelch -150.0 dB A R
Noise blanker NB1 NB2
（不看符号）数字越大，灵敏度越高；反之林敏度降低
Input cont... Receiver Opti... FFT Setti...
Audio
Gain: -18.2 dB
Mute UDP Rec Play
DSP