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100 KHZ - 1.7 GHz all band radio RTL - SDR receiver RTL2832 + R820T RTL-SDR

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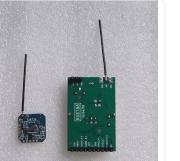
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**100 KHZ - 1.7 GHz all band radio RTL - SDR receiver RTL2832 + R820T RTL-SDR**

The receiver take RTL2832U + R820T programs , taking advantage of the Q channel RTL2832U on adding support for frequencies of 100KHz-24MHz , realized the reception 100KHz-1.7GHz .

You can use the SDR software receives electromagnetic waves 100KHz-1.7GHz support AM, FM (NFM, WFM), CW, DSB, LSB, USB demodulation. Listen to HF SSB communication , FM radio, walkie-talkie call, aviation bands and the like.

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**US \$35.72**

★ 4.5

7 Sold

**US \$46.89**

★ 5.0

5 Sold

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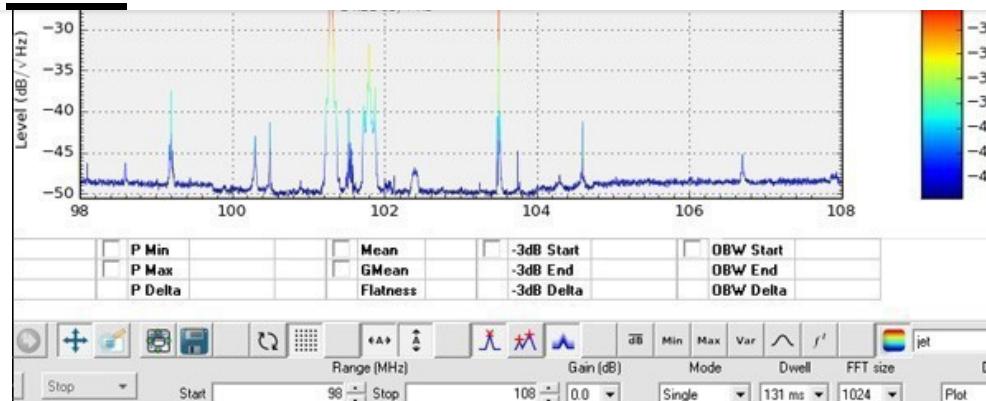
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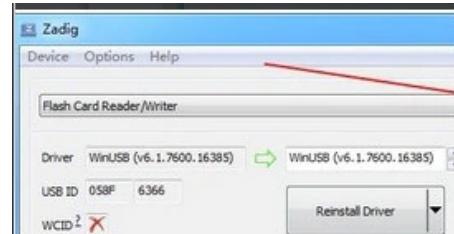
**Package :**  
 host x 1  
 antenna x 1  
 data cable x 1

Note:

1. Please allow 1-3mm errors due to manual measurement.
2. Due to the difference between different monitors, there are color differences, pls take the real product as the standard!

Generally our computer does not recognize the device, we need the third party software to install.  
 If your system is windows

1, Open Zadig (just download it from here : [pan.baidu.com/s/1i5FDn9b](http://pan.baidu.com/s/1i5FDn9b) )



2. Then connect the receiver with USB , (choose list all devices)

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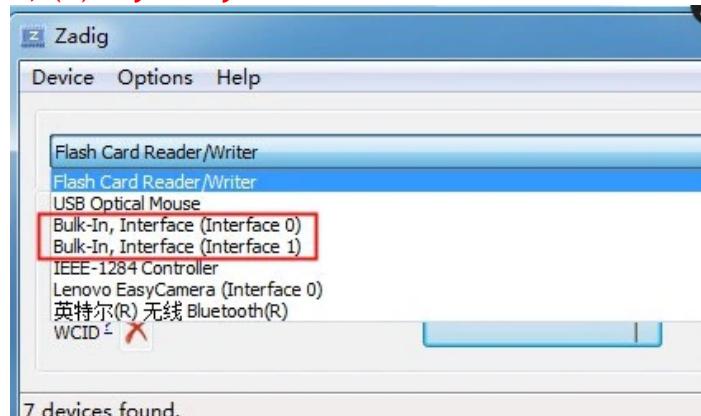
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3, (1) if your system is window 7/8/XP/vista.. you will find the device as picture



(2) if your system is window10,it will show as below



4 ,choose Bulk-in,interface(interface1) or RTL2838UHDIR (Window10) install it .

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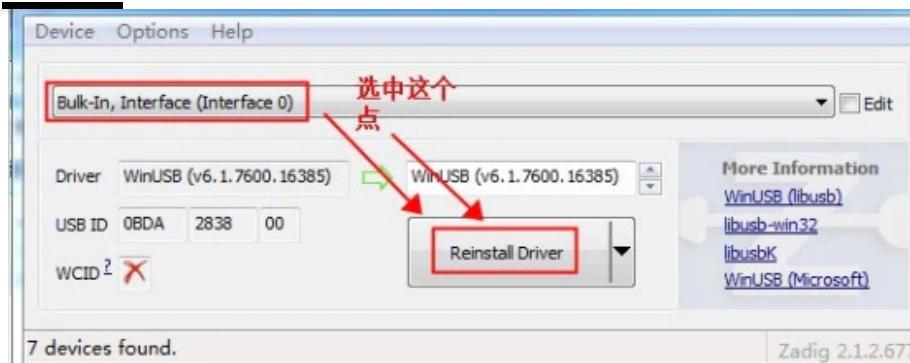
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If your system is **OS or Mac**

Please download the third party software here or contact us.

The installation method is the same as the Windows system, you will find the device (2Bulk-in, interface(interface1)) or RTL2838, then install it.

[pan.baidu.com/s/1nv9z1J7](http://pan.baidu.com/s/1nv9z1J7)

**The way to use the receiver**

### **SETTING UP AND USING YOUR RTL-SDR**

#### **SDR# SETUP GUIDE (TESTED ON WINDOWS VISTA/7 + XP)**

1. SDRSharp is the easiest and most commonly used software-defined radio software receiver for the RTL-SDR. Go to [www.sdrsharp.com](http://www.sdrsharp.com) and head to the download page. Note that you must have the Microsoft .NET redistributable installed to use SDRSharp. Modern Windows PCs have this installed by default, but older PCs running XP may need this to be installed. It can be downloaded from <http://www.microsoft.com/en-gb/download/details.aspx?id=21>.
2. Ignore the downloads on the top of the page. Scroll down to where it says "Important note for RTL-SDR users". Download sdr\_install.zip from that link. **NOTE: At the time of writing this book the SDR# downloads page has recently changed. The sdr\_install.zip file download is currently available from the main page at [sdrsharp.com](http://www.sdrsharp.com) but its location may change in the future.**

#### SUPPORT

If you like this software, please support it by donating money, hardware (preferred) or simply write a good documentation and

### **Downloads**

This page is updated every time a new version is available. So, stay tuned!

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- [SDR# Dev](#) (Continuous Integration, Last Changed Rev: 1134 )
- [SDR# RTLSDR Plugin](#) (Continuous Integration, Last Changed Rev: 1134 )
- [ADS# v1.0.11.1](#), a SDR ADS-B Receiver in C# and its documentation
- [Source code \(SVN\)](#)
- [Changesets](#)

**Licensing**

SDR# (SDRSharp) is released under the MIT license for the GUI and the plugin parts, and under the MS-RSL for the DSP.

As such, you can:

- Create, Modify and Redistribute plugins
- Create, Modify and Redistribute the GUI in both its binary and source code forms under a different name (it's no longer SDR#!) preserving the original copyrights and licenses

But you cannot

**Use This Link**

- Modify or Redistribute the DSP (SDRSharp.Radio.dll and its corresponding code)

**Important note for RTL-SDR users**

You can use this quick installation script to test the latest development version.

<http://sdsharp.com/downloads/sdr-install.zip>

A step by step installation instructions [Automated installation](#) community website:

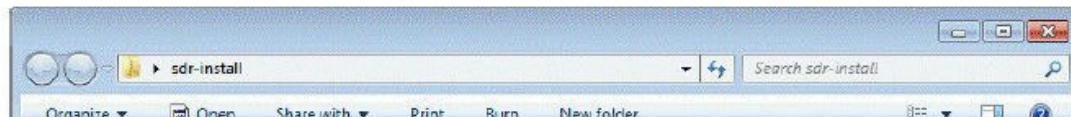
<http://rtl-sdr.org/software/windows>

<http://rtl-sdr.org/software/linux>

To get started with SDR# you may be interested by the excellent document from Henry (N2VFL):

<http://www.atouk.com.wordpress/?p=153>

3. Extract the sdr-install folder from the zip file to a place on your computer.
4. Double click on install.bat from within the extracted folder. This will start a command prompt that will download SDRSharp and all the files required to make SDRSharp work with RTL-SDR. Everything will be placed into a new folder within the sdr-install folder called "sdrsharp". The command prompt will automatically close when it is done.



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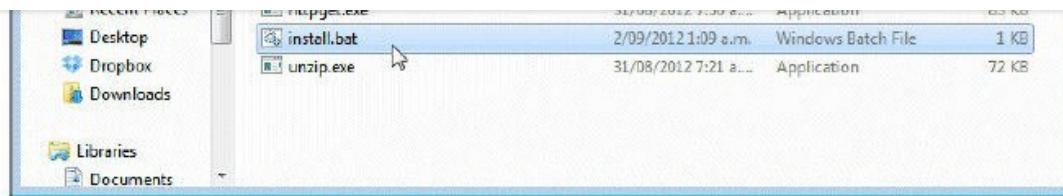
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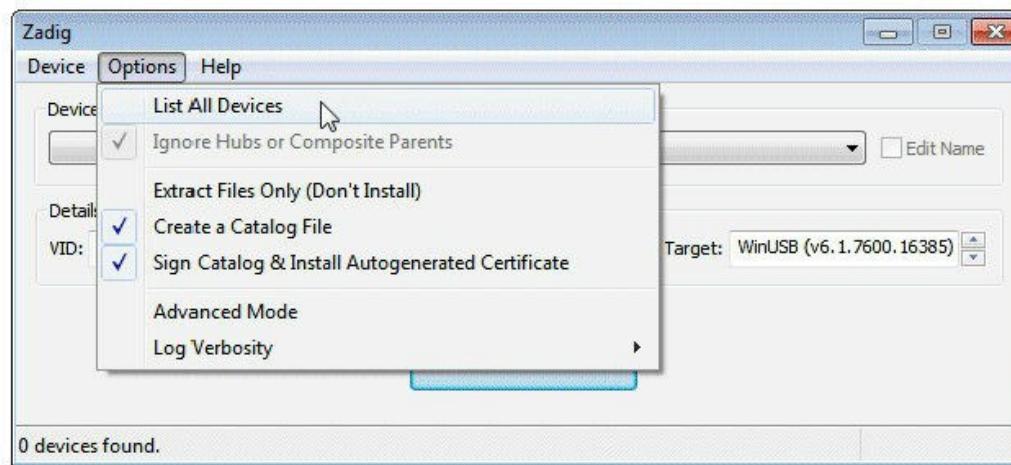
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5. Plug in your dongle and do not install any of the software that it came with, but ensure you let plug and play finish trying to install it. If necessary, uninstall any DVB-T software drivers you've installed from the CD that some dongles come with.
6. Open the newly created sdrsharp folder. Find the file zadig.exe. Right click this file and select “Run as administrator” if using Windows Vista/7. If you are using Windows XP, download the XP version from <http://zadig.akeo.ie/>. If you are on Windows 8 you may get unsigned driver issues when using zadig. To get around this use the newer version (v2.1+) of zadig from <http://zadig.akeo.ie/>.
7. In Zadig, go to **Options -> List All Devices** and make sure this option is checked.



8. Select “**Bulk-In, Interface (Interface 0)**” from the drop down list. Ensure that WinUSB is selected in the box next to where it says Target. (Note on some PCs you may see something like RTL2832UHIDIR instead of the bulk in interface. This is also a valid selection).

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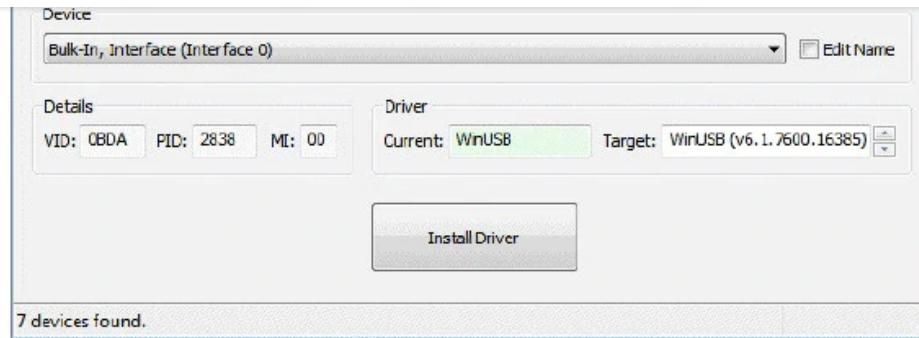
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- Click Install Driver. You might get a warning that the publisher cannot be verified, but just accept it by clicking on Install this driver software anyway. This will install the drivers necessary to run the dongle as a software defined radio. Note that you *may* need to run zadig.exe again if you move the dongle to another USB port, or want to use two or more dongles together.



- Open SDRSharp.exe. Set the drop down box at the top next to the Play button to '**RTLSDR / USB**'. Press Play. Your rtl-sdr software radio should now be playing some static and showing an RF spectrum and waterfall! If everything has worked you should be able to start tuning to frequencies using the numbers at the top of the program.

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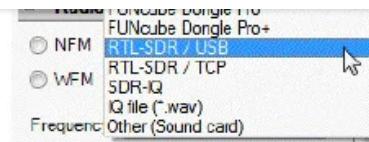
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11. Click on the Configure button to bring up the configure menu.

A screenshot of a radio control interface. At the top, there are buttons for 'Play', 'RTL-SDR / USB' (with a dropdown arrow), 'Configure' (which is highlighted with a blue selection bar), and 'VFO'. Below these, a digital frequency display shows '000.131.450.000'.

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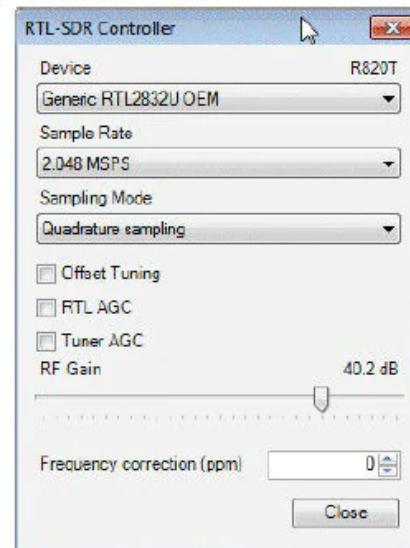
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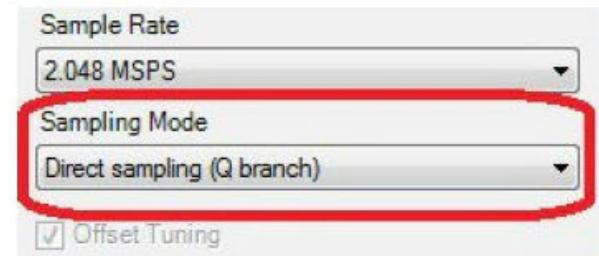
slider up, or by turning on Tuner AGC.



### 13. Receiving LF/MF/HF (0 - 30 MHz)

The antenna must be connected to the HF input port

The program of SDR # with RTL configured to direct sampling of the signal Q, as shown in the following figure:



signal receiving HF band needs to meet the HF Antennas such as Long Wire, Random Wire, Dipole etc.. To have a good effect need matching antenna.

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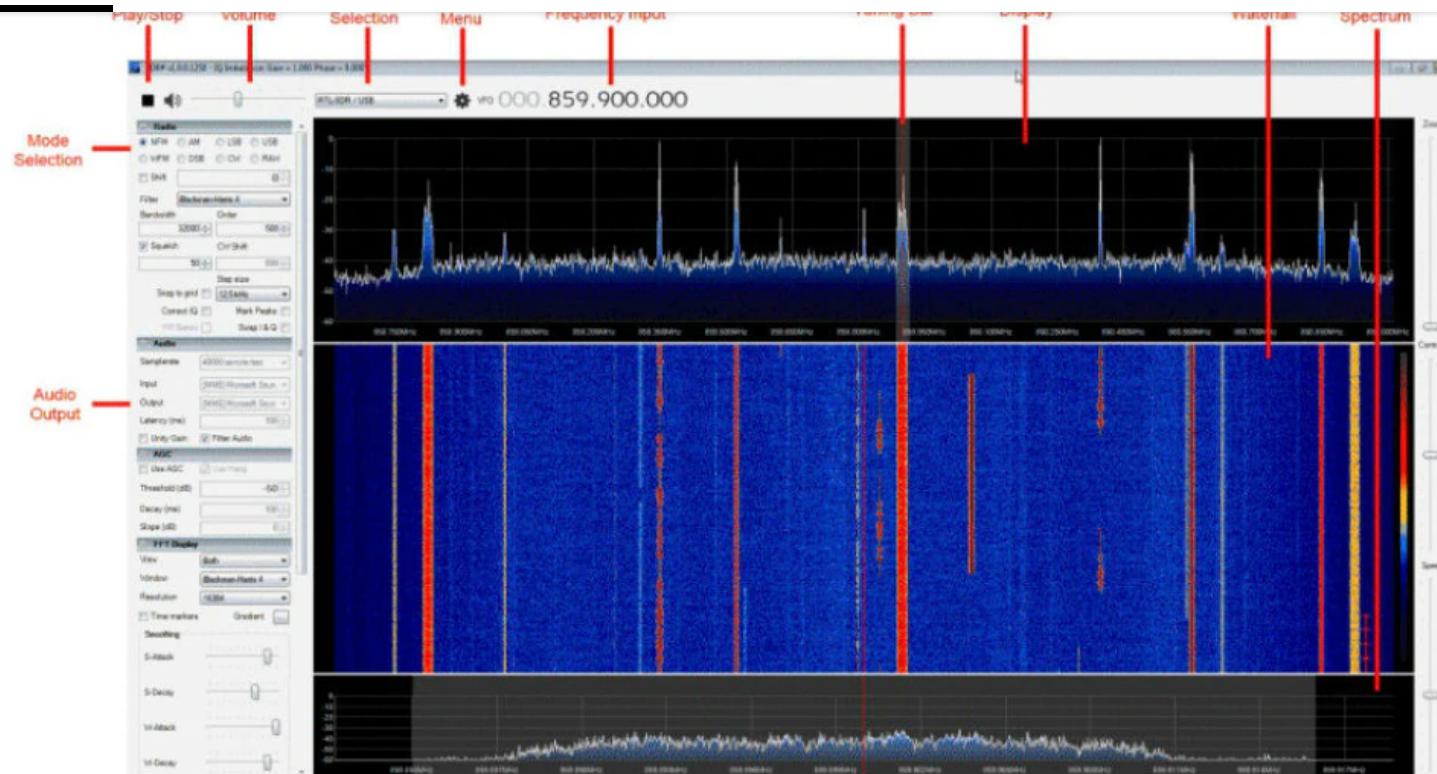
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Note: if there is any problems shown, pls check the following FAQ firstly!

### FAQ

1. If u want to receive the HF band at the area 100K-24MHz,

then u need to buy signal receiving HF band needs to

meet the HF Antennas such as Long Wire, Random Wire, Dipole etc..

To have a good effect need matching antenna.

2. If u cannot receive the HF band over 30MHz, then u need to follow these steps:

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and then increase the RF Gain

what's more , you need to connect the uv-pin

this is the video :

[v.youku.com/v\\_show/id\\_XNjgwODY3OTYw.html](http://v.youku.com/v_show/id_XNjgwODY3OTYw.html). code:1318

and software dowload :

[pan.baidu.com/s/1ntG8LdR](http://pan.baidu.com/s/1ntG8LdR) code:bo8x

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