

# Getting started with SDRplay



Software and Documentation can be found within the 'Downloads' pages on the SDRplay website – go to <https://www.sdrplay.com/downloads/> - this is being updated regularly. Newer products like the RSPdx may not immediately have so much 3<sup>rd</sup> party software available as it takes time for developers to update their software for compatibility. Please check specific availability if you are not wanting to use SDRUno for Windows.

SDRplay's own (Windows-based) SDR receiver software is called SDRUno and is regularly updated.

There's a searchable catalogue of reviews, demos and user guides on <https://www.sdrplay.com/apps-catalogue/>

There are even more links to useful SDRplay related uses on the SDRplay YouTube Channel: <https://www.youtube.com/c/SDRplayRSP>

For listeners focused on receiving 30MHz and below, there's a sister channel dedicated to tutorials where you can directly influence the topics for future coverage : <https://www.sdrplay.com/sdrplayhamguides/>

As well as the core SDRplay team, there are two other powerful sources of help:

1. The thriving independent Facebook Group <https://www.facebook.com/groups/sdrplay/> and
2. For non-Facebook users, another forum on <https://sdrplayusers.net/forums/>

Both the above are ideal for getting help, tips and sharing ideas.

These communities can also give independent advice on the choice of RSP model best suited to your area of interest.

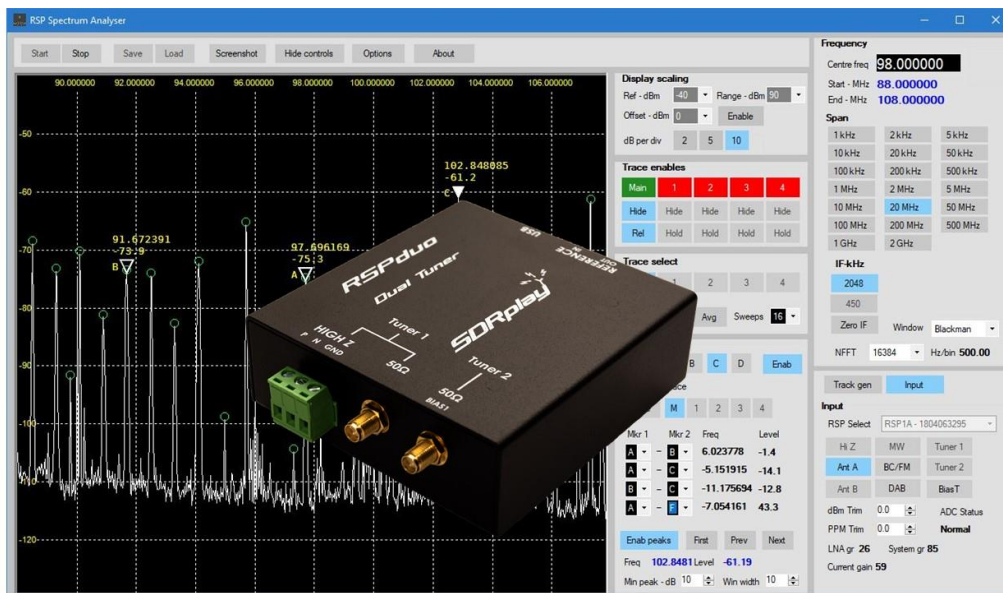
There is a very straightforward “Start Here” interactive installation menu on <http://www.sdrplay.com/start-here/> which helps users get set up with the minimum of fuss. In the unlikely event of problems, the support team will be better able to sort out any problems you may have if you follow this flow when you first use your RSP.

Please note, all SDRplay devices are backed up by direct support from the company, whatever your question. Simply follow the contact us instructions on <https://www.sdrplay.com/contact/> and we will quickly get back to you, even by phone if needed (we are limited to English language UK and USA daytime hours)

We also welcome feedback and suggestions if you email us at [feedback@sdrplay.com](mailto:feedback@sdrplay.com) (we don't necessarily answer all emails but they are used to guide our support and development priorities)

### Additional notes:

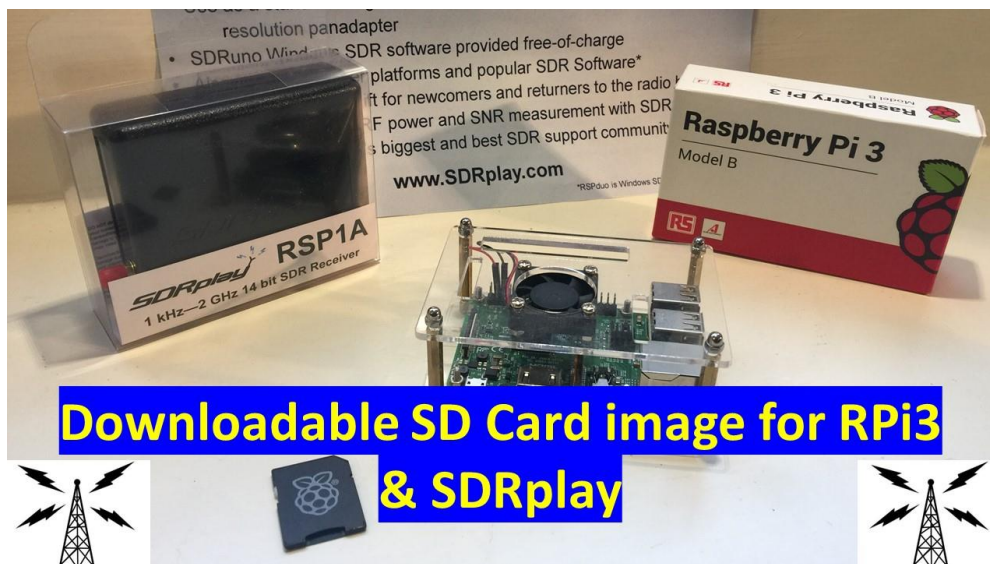
There is now a Beta release of stand-alone Windows-based Spectrum Analyser software which transforms the RSP into a valuable piece of lab equipment. For more on this, go to: <https://www.sdrplay.com/spectrum-analyser/>



If you are familiar with the lower spec RTL-SDR dongles, then any EXTIO-based SDR programme which can remotely access an 8-bit RTL-SDR dongle, can also remotely access the full featured SDRplay RSP using TCP remote server software ( Look for TCP server within <https://www.sdrplay.com/downloads/> ). This software enables an enhanced mode which gives full 14 bit ADC compatibility, gain control, plus antenna port and notch filter selections. The TCP server runs on windows, MAC or Linux platforms.

If you plan to use the RSP as a low cost portable and accurate RF power measurement instrument, you will need to use SDRuno. See the video on [https://youtu.be/MRR-x\\_TjOp4](https://youtu.be/MRR-x_TjOp4)

For Raspberry Pi users, there's a ready made SD card image you can download as described here: [https://www.sdrplay.com/docs/SDRplay\\_RPi\\_Image\\_Guide.pdf](https://www.sdrplay.com/docs/SDRplay_RPi_Image_Guide.pdf) To download the RPi SD Card image go to <https://www.sdrplay.com/downloads/> and select the “Raspberry Pi” tab under Software and click on “RPI IMAGE”



For GNU radio users, there are ready made source blocks for all the RSP family members.

<https://www.sdrplay.com/docs/gr-sdrplay-workflow.pdf>

Design Spark article on GNU radio and SDRplay: <https://www.rs-online.com/designspark/gnu-radio-teaching-and-research-using-a-clean-sdrplay-signal-source>

If you are developing a new application, then the full API specification can be found in the Downloads Documentation section on <https://www.sdrplay.com/downloads/> (click on "API SPECIFICATION") and this illustrates how to control all the basic radio functions such as frequency selection, gain settings and so on. You can download the latest API software where it says "API/HW DRIVER" under the specific platform tab (Windows, MAC, Linux, Raspberry Pi, Android etc.)

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### Appendix – more 3<sup>rd</sup> party links

#### -Antennas

HF Antennas [https://wiki.radioreference.com/index.php/HF\\_Antennas](https://wiki.radioreference.com/index.php/HF_Antennas)

Loops <https://wiki.radioreference.com/index.php/Loops>

Scanner Antennas: [https://wiki.radioreference.com/index.p...r\\_Antennas](https://wiki.radioreference.com/index.p...r_Antennas)

#### -Articles from the RadioReference Wiki

Digital Decoding FAQ [https://wiki.radioreference.com/index.p...\\_Utilities](https://wiki.radioreference.com/index.p..._Utilities)

DRM (Digital Radio Mondiale) <https://wiki.radioreference.com/index.php/DRM>

HF Digital Amateur Radio [https://wiki.radioreference.com/index.p...teur\\_Radio](https://wiki.radioreference.com/index.p...teur_Radio)

HF Software Decoders [https://wiki.radioreference.com/index.p...e\\_Decoders](https://wiki.radioreference.com/index.p...e_Decoders)

Improving HF Reception <https://wiki.radioreference.com/index.p...Reception>

Testing Your New Setup [https://wiki.radioreference.com/index.p...New\\_Setup](https://wiki.radioreference.com/index.p...New_Setup)

#### -Decoders

FLDigi (and FLRig) <https://sourceforge.net/projects/fldigi/files/>

Ham Radio Deluxe <https://www.hamradiodeluxe.com/>  
Krypto500 <https://www.comintconsulting.com/krypto500>  
Krypto1000 <https://www.comintconsulting.com/krypto1000>  
MM-SSTV <https://hamsoft.ca/pages/mmsstv.php>  
MultiPSK [http://f6cte.free.fr/index\\_anglais.htm](http://f6cte.free.fr/index_anglais.htm)  
Sigmira <http://www.saharlow.com/technology/sigmira/>  
WSJT-X <http://physics.princeton.edu/pulsar/k1jt/wsjsx.html>

### **-Schedules and Utilities**

CSVUserList <https://www.df8ry.de/htmlen/csvub/download.htm>  
EIBI <http://www.eibispace.de/>  
NASWA Master spreadsheet reflector <https://groups.io/g/swskeds>  
ILG <https://www.ilgradio.com/>

### **-Other HF schedules sites:**

DX Asia <http://www.dxasia.in/>  
HFCC <http://www.hfcc.org/>  
Prime Time SW (often abbreviated PTSW) <https://www.primetimeshortwave.com>  
SW Info: <https://www.short-wave.info/>

### **-Decoding Applications Above 30 Mhz**

ADS-B <https://wiki.radioreference.com/index.php/ADS-B>  
DMRDecode <https://github.com/lanWraith/DMRDecode>  
DSD [https://wiki.radioreference.com/index.p...re\\_package](https://wiki.radioreference.com/index.p...re_package))  
DSD Plus <https://wiki.radioreference.com/index.php/DSDPlus>  
Dump1090 <https://github.com/antirez/dump1090>  
Unitrunker <https://wiki.radioreference.com/index.php/UniTrunker>

### **-SDR Audio Routing**

VB Cable <https://www.kvraudio.com/product/vb-cable-by-vb-audio>  
Virtual Audio Cable <https://vac.muzychenko.net/en/>