



SDR Receivers

- Continuous Coverage from VLF to 2 GHz
- All the Amateur Radio bands from 160m to 23cm
- 12-bit ADC Technology (not another 8-bit dongle!)
- Built-in High performance Front-end Filters
- SDRuno SDR software provided free-of-charge
- Also works with other popular SDR Software (HSDR, SDR-Console & Cubic SDR)‡

“Given the excellent value of the RSP from SDRplay, the free availability of the SDRuno software makes this a compelling combination” – Mike Richards, Radio User, September 2016

www.SDRplay.com

‡ Available for RSP1 now, RSP2 in early 2017

Radio Spectrum Processors RSP1 & RSP2

The SDR-play RSP1 and RSP2 are powerful wideband full featured SDRs which cover the RF spectrum from VLF to 2 GHz. All they need is a PC and an antenna to provide excellent communications receiver functionality. Combined with the power of readily available SDR receiver software (including 'SDRuno' supplied by SDRplay) you can monitor up to 10 MHz of spectrum at a time. An open API allows developers to create new demodulators or applications around the platform:

- * Ideal for portable operation
- * Simultaneous entire band monitoring made possible
- * No need for an up-converter
- * Excellent Sensitivity and Selectivity
- * Perfect as a Panadapter
- * Strong and growing software support network
- * Multiplatform support including Windows, Linux‡, Mac‡, Android‡ and Raspberry Pi 2/3‡

KEY FEATURES	RSP1	RSP2	RSP2pro
Continuous coverage from 10 kHz to 2 GHz (RSP2 & RSP2pro from 1 kHz)	✓	✓	✓
Up to 10 MHz visible bandwidth	✓	✓	✓
Powers over the USB cable with a simple type B socket	✓	✓	✓
12-bit ADC silicon technology (not another 8 bit dongle!)	✓	✓	✓
8 built in front-end pre-selection filters	✓		
10 high-selectivity, built in front-end preselection filters		✓	✓
Software selectable (On/Off) Low Noise Preamplifier	✓		
Software selectable multi-level Low Noise Preamplifier		✓	✓
SDRuno—World Class SDR software	✓	✓	✓
Open API for new apps development	✓	✓	✓
Single SMA antenna socket	✓		
2 x SMA Software Selectable Antenna Inputs		✓	✓
1 x High Impedance Input for long wire antennas		✓	✓
Software selectable MW /FM notch filters		✓	✓
Highly stable 0.5PPM TCXO trimmable to 0.01PPM		✓	✓
24MHz Reference clock input / output connections		✓	✓
4.7V Bias-T (Port B only)		✓	✓
Robust and strong plastic case	✓	✓	
RF shielding layer inside case		✓	
Rugged metal case			✓

When used together with SDRplay's own SDRuno software, the RSP becomes a high performance SDR platform. The benefits of using SDRuno include:

- Highly integrated native support for the RSP1 and RSP2
- Professional grade software based upon class leading 'Studio 1', free of charge
- Calibrated S-Meter including support for IARU S-Meter Standard
- Calibrated RF Power Meter with in excess of 100 dB of usable range
- Best in class audio quality

www.SDRplay.com

‡ Available for RSP1 now, RSP2 in early 2017