

An Introduction to Software Defined Radio



SDRplay
Presenter:
Steve Brightman KI5ENW

SDRplay ADSB PLUGIN

| Hex | Mode | Sqwk | Flight | Alt | Spd | Hdg | Lat | Long | RSSI | Mags | T |
|--------|------|------|---------|-------|-----|-----|--------|------|------|------|---|
| A0628F | S | | | 8000 | | | | | | | |
| ABE79D | S | 1720 | SWA1988 | 2950 | 208 | 237 | 32.990 | | | | |
| A004C9 | S | | | 2750 | 165 | 234 | | | | | |
| AC18FE | S | 0640 | AAL1923 | 14775 | 348 | 3 | | | | | |
| A8BC13 | S | 2214 | | 16225 | 331 | 35 | | | | | |



SDR# STORE

| Frequency | S | Mode |
|-----------|---|------|
| 120025000 | Y | AM |
| 120150000 | Y | AM |
| 121850000 | Y | AM |
| 122900000 | Y | AM |
| 123050000 | Y | AM |
| 123725000 | Y | AM |
| 123900000 | Y | AM |
| 124250000 | Y | AM |
| 124300000 | Y | AM |
| 124750000 | Y | AM |
| 125000000 | Y | AM |
| 125025000 | Y | AM |
| 125275000 | Y | AM |
| 125800000 | Y | AM |
| 125950000 | Y | AM |
| 126550000 | Y | AM |
| 126725000 | Y | AM |

- SDR# PLUGINS
- AudioRecorder
 - DAB
 - DXCluster
 - MPXOutput
 - ADSB
 - BlackCatSystems
 - CloudMarkers
 - ContourShuttle
 - Fran
 - UsoDra

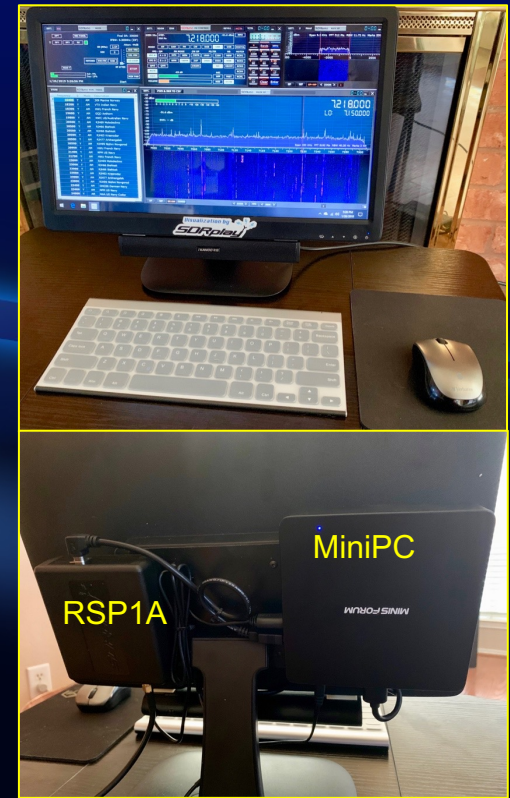
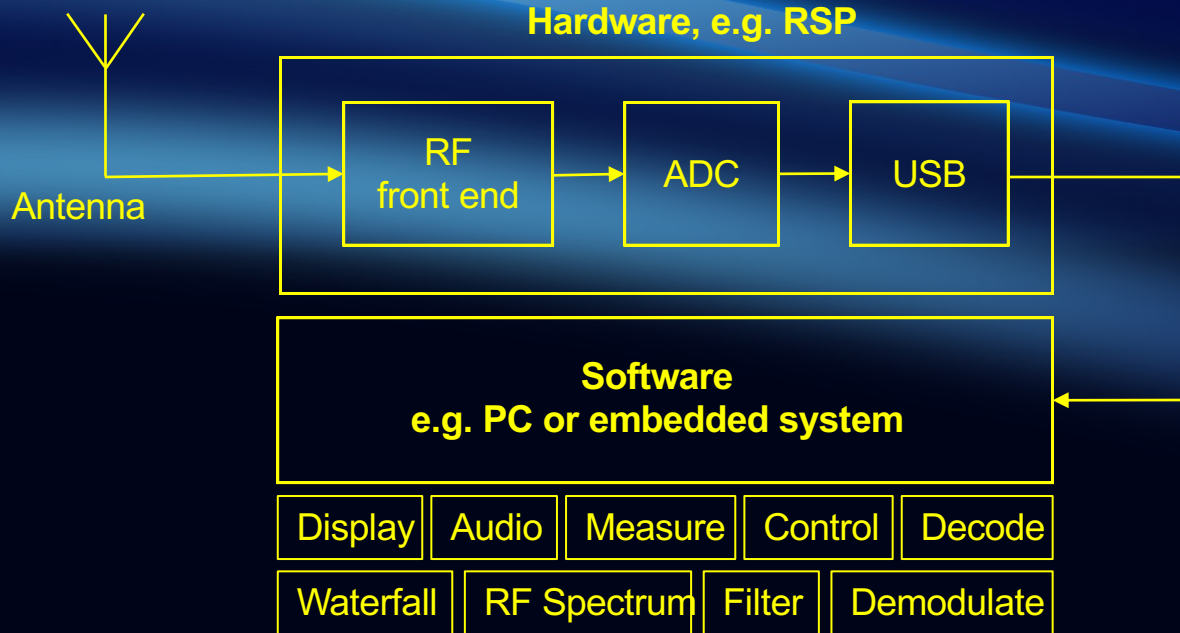
Agenda

- The Basics
- Applications
- Hardware
- Software
- Panadapters
- Support & Information Sources
- Q&A

What is an SDR?

- A radio communication system where many components that have been traditionally implemented in **hardware**...
(e.g. mixers, filters, amplifiers, modulators/ demodulators, detectors, etc.)
...are implemented by **software** on a PC or embedded system.
- The hardware portion consists of pre-selection filters, possibly some IF filtering and a Analog-to-Digital Converter
- SDR is a technique, the actual implementation will vary by application:
e.g. Receivers tend to concentrate on wide bandwidth, Transceivers on narrower bandwidth at a specific frequency

Simplified SDR Receiver Block Diagram



Example implementation

Why do I want an SDR Receiver?

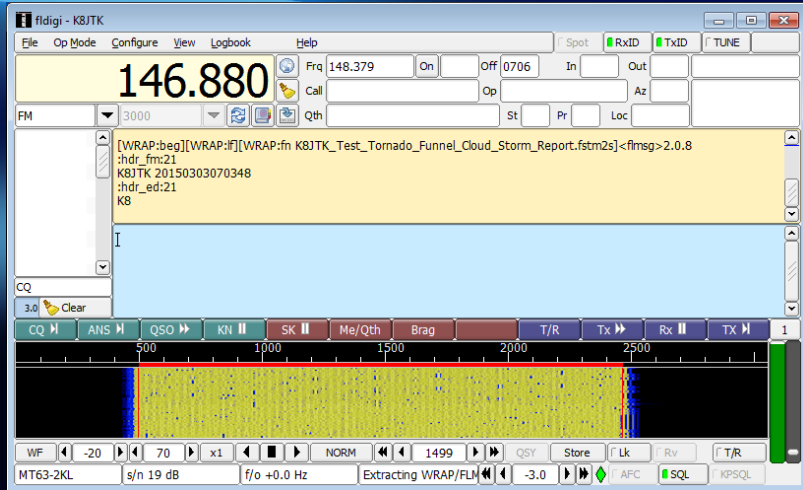
Top Ten List

1. True general coverage
2. Work one frequency and still monitor the entire band (or another band!)
 - Panadapter (suddenly your eyes can do 1000X what only your ears could do previously, one signal at a time!)
3. Audio and IF Digital Signal Processing (DSP)
4. Filters! (brick-wall envelopes... improving all the time with s/w upgrades)
5. Harness the power of your existing Computer
6. Multiple VFOs and/or virtual receivers
7. Schedule and Record large bandwidths of the spectrum and tune later!
8. Record/playback of audio from a specific signal
9. Allows you to explore new applications:
 - Digital modes, WX satellites, radio astronomy, aircraft monitoring, digital stations, TV, DAB, Ionosondes etc etc
10. Can you ever have too many receivers?

Application Examples

Fldigi Digital Decoding

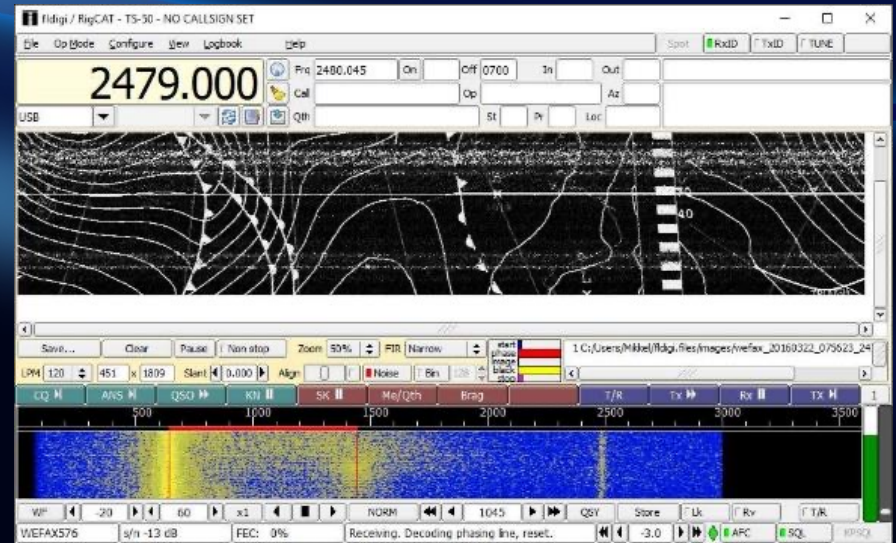
Fldigi NBEMS (Narrow Band Emergency Messaging System)



Credit: Jeff Kopcak, k8jtk

Fldigi:
<http://www.w1hkj.com>

...and WEFAX Decoding



Credit: Erik Mikkel Wied

HF Weather Fax

The screenshot shows the SDRplay software interface with the following components:

- Top Panel:** Frequency display at 12.748100 MHz, various control buttons (TUNE, FREQ, etc.), and a spectrum plot showing a strong signal at the target frequency.
- Left Panel:** SDRplay control panel with various mode and filter settings.
- Bottom Left:** A station list window with columns for Frequency, S, Mode, and Description. The list includes stations like WJKTUR, ARNCRN, CB, etc.
- Center:** A window titled 'Black Cat HF Weather Fax' showing a map of the Pacific Ocean basin with a weather fax image overlaid. The map shows a large 'H' over the ocean, indicating a weather system.
- Bottom Right:** A window titled 'Fax Transmission Schedules' showing a table of station schedules.

| Call | Freq | Start | End | Station | Country | Slant |
|------|---------|-------|------|-----------------------|-------------|-------|
| NMG | 17745.0 | 1200 | 1500 | NEW ORLEANS,LOUISIANA | U.S.A. | |
| NMF | 6338.6 | 1400 | 2300 | BOSTON, MASSACHUSETTS | U.S.A. | |
| NMF | 9108.1 | 1400 | 2300 | BOSTON, MASSACHUSETTS | U.S.A. | |
| NMF | 12748.1 | 1400 | 2300 | BOSTON, MASSACHUSETTS | U.S.A. | |
| VMC | 2658.1 | 0900 | 1900 | CHARLEVILLE | AUSTRALIA | |
| VMC | 5098.1 | 0000 | 2400 | CHARLEVILLE | AUSTRALIA | |
| VMC | 11028.1 | 0000 | 2400 | CHARLEVILLE | AUSTRALIA | |
| VMC | 13918.1 | 0000 | 2400 | CHARLEVILLE | AUSTRALIA | |
| VWV | 5753.1 | 1100 | 2100 | WILUNA | AUSTRALIA | |
| VWV | 7533.1 | 0000 | 2400 | WILUNA | AUSTRALIA | |
| VWV | 10553.1 | 0000 | 2400 | WILUNA | AUSTRALIA | |
| VWV | 15613.1 | 0000 | 2400 | WILUNA | AUSTRALIA | |
| ZKLF | 5803.1 | 1300 | 1515 | WELLINGTON | NEW ZEALAND | |

Black Cat Systems:
<https://www.blackcatsystems.com>

www.sdrplay.com

Credit: Mike Ladd, KD2KOG



MultiPSK

The screenshot displays the SDRplay software interface with the MultiPSK V.4.42 application running. The top section shows the SDRplay control panels, including the RX CONTROL and EX CONTROL windows, with a frequency of 144390000 Hz. The scanner window shows a list of frequencies and a search for 'Transceiver Control'. The log window displays decoded packets, including:

```
!2714.23NP08045.09W#PHG7530/ WIDEN-n Digi On The Web @ pbpg.org  
APNP50 de K4OKE-3 via AF4CN-3* K4PKT-3* CII R UI Pid=F0 Len=63>  
!2714.23NP08045.09W#PHG7530/ WIDEN-n Digi On The Web @ pbpg.org  
APN891 de WC4PEM-11 via K4PKT-3* CII C UI Pid=F0 Len=59>  
$ULTW010600FC01F8D20527FB000E873D0001---001403A7000000A1
```

The DX Atlas window shows a map of Florida with several call signs marked on it, including W4GAL, W4VLI, W4STY, W4OKE, W4PKT, W4PEM, and W4NAN. The bottom status bar shows the system tray with the date and time: 1/21/2020 10:28 AM.

MultiPSK:
http://f6cte.free.fr/index_anglais.htm

www.sdrplay.com

Credit: Mike Ladd, KD2KOG



WSJT-X and GridTracker

The screenshot displays the SDRplay software interface with several windows open. The main window shows the SDRplay control panel with a frequency of 14.074000 MHz. The WSJT-X v2.1.0 by K1JT window is open, showing a list of stations and their activity. The GridTracker window is also open, displaying a world map with a grid and several yellow call sign markers. The SDRplay interface includes various controls for frequency, mode, and signal processing, as well as a spectrum display and a waterfall plot.

| UTC | dB | DT | Freq | Message |
|--------|-----|------|-------|--------------------|
| 154345 | -17 | -0.2 | 15444 | REOB2Z KE6SHI R=10 |
| 154345 | -8 | -0.2 | 18558 | CQ WUQAP ZM5F |
| 154345 | -4 | -0.3 | 1871 | CQ KRCYV ZN63 |
| 154345 | -5 | -0.3 | 1941 | REOB2Z K1GE DN13 |
| 154345 | -2 | -0.3 | 2098 | CQ UN K4RHR EM74 |
| 154345 | -9 | -0.5 | 2237 | OQHT K6ZP R=9 |
| 154345 | -19 | -0.3 | 2306 | RFS5NH DL5XU -20 |
| 154345 | -16 | -0.3 | 2397 | HWOT OH5OX -05 |
| 154345 | -23 | -0.1 | 2567 | VE2ED VE2RBP R=08 |
| 154345 | -9 | 0.5 | 1315 | EA8DHI W8A0X R=15 |
| 154345 | -10 | -0.1 | 1814 | ZK4TVY <...> -14 |
| 154345 | -10 | -0.3 | 1897 | OQHT K1CLRE RM4 |
| 154345 | -11 | -0.4 | 2055 | RM4COD F4SHET EM25 |
| 154345 | 0 | -0.3 | 2124 | CQ N4H5F FM12 |
| 154345 | -19 | -0.4 | 2188 | R5COW R5AMCZ QD81 |
| 154345 | -14 | 0.3 | 2245 | CQ IZ2FOS JN55 |
| 154345 | -18 | -0.3 | 2055 | RM4COD F4BIA ZW18 |

WSJT-X: <https://physics.princeton.edu/pulsar/K1JT/wsjt.html>

GridTracker: <https://tagloomis.com/grid-tracker/>

www.sdrplay.com

Credit: Mike Ladd, KD2KOG



CSV Userlist Browser

The screenshot displays the SDRplay software interface with a CSV Userlist Browser window open. The browser window shows a table of radio stations with the following data:

| kHz | UTC/PSN | Days/PI | Language | Station | Cou | Transmitter | Lat | Lon | M | k | Target |
|----------|-----------|---------|----------|-----------------|-----|-------------|---------|---------|-----|-----|---------------------------|
| 9420.000 | 1900-2000 | 1234567 | Greek | VOICE OF GREECE | GRC | Avlis | 38.3897 | 23.6069 | 150 | 323 | CIRAF 6-11, 18, 27-29, 36 |
| 9420.000 | 2000-2100 | 1234567 | Greek | VOICE OF GREECE | GRC | Avlis | 38.3897 | 23.6069 | 150 | 323 | CIRAF 6-11, 18, 27-29, 36 |
| 9420.000 | 2100-2200 | 1234567 | Greek | VOICE OF GREECE | GRC | Avlis | 38.3897 | 23.6069 | 150 | 323 | CIRAF 6-11, 18, 27-29, 36 |

The interface also shows a map of Greece, a spectrum plot of the selected frequency (9420.000 kHz), and various control panels for the SDRplay software.

CSV User List Browser: <https://www.df8ry.de/htmlen/home/welcome.htm>

Credit: Mike Ladd, KD2KOG

ADS-B decoding example using Dump1090 and VRS

The screenshot displays the Virtual Radar (VRS) interface. The main window shows a map of the Pacific Northwest region, including Seattle, Tacoma, and Portland. A blue line indicates the flight path of an aircraft. The right-hand panel provides detailed information for the selected aircraft, N146AA, an Airbus A321-231SL operated by American Airlines. The data includes altitude (5725 ft), vertical speed (-192 ft/min), speed (239.0 kts), heading (313.0°), distance (3.90 nmi), squawk (3412), and engine type (Twin jet). The route is shown as KDFW Dallas Fort Worth to KSEA Seattle Tacoma.

In the bottom-left corner, a terminal window titled 'Administrator: SDRplay dump1090 V1.11.1903.16' displays the raw ADS-B data stream. The data is as follows:

| Hex | Mode | Sqwk | FLight | Alt | Spd | Hdg | Lat | Long | Sig | Hgs | T1 |
|--------|------|------|--------|-------|-----|-----|--------|--------|-----|-----|----|
| 486134 | S | 5741 | | 38000 | 436 | 316 | | | 21 | 10 | 1 |
| 486804 | S | | | | | | | | 10 | 1 | 23 |
| 4C064E | S | 6763 | | 15325 | 304 | 025 | 51.591 | -0.229 | 41 | 36 | 4 |
| 484B00 | S | 7626 | | 5325 | 254 | 020 | 51.601 | -0.183 | 31 | 48 | 5 |
| 601839 | S | | T0427 | 7450 | 270 | 269 | | | 26 | 20 | 2 |
| 480E59 | S | 5736 | | 34000 | | | 51.911 | 0.257 | 26 | 35 | 22 |
| 4BB144 | S | 3232 | | 32000 | 489 | 269 | 51.585 | -0.077 | 38 | 35 | 0 |
| 486871 | S | 5085 | | 1200 | | | | | 36 | 25 | 0 |
| 480F28 | S | 0043 | | 1600 | | | | | 69 | 136 | 0 |

Credit: Max Santos, AC5PY

Ham Radio Deluxe (including DM-780 and Logbook)

The screenshot shows two windows from the SDRplay software. The top window, titled 'SDRplay MAIN', displays a frequency of 14.186500 MHz and a signal strength of -78.9 dBm. It includes controls for VFO A and B, and various modulation modes. The bottom window, 'SDRplay RX CONTROL', shows a similar frequency display and provides additional control options like 'BANDS', 'MHz', and 'dBm'. A 'Virtual Serial Ports Emulator' window is also visible, showing a connection between COM10 and COM11.

The screenshot shows the 'HRD Rig Control - (TS-480)' window. The main display shows a frequency of 14.186.500 MHz and a signal strength of 7.000.000. The interface includes a menu bar with options like 'File', 'Edit', 'View', 'Bands', 'Favorites', 'Quick Save', 'Macros', 'Logbook', 'Radio Options', 'Scanning', 'Tuning', 'Tools', 'Voice', 'DStar', 'Window', and 'Help'. A frequency scale at the bottom shows the current frequency position relative to a span of 365 kHz.

The screenshot shows a waterfall plot window in SDRplay. The plot displays a signal at 14.186500 MHz with a signal-to-noise ratio (SNR) of 5.1 dB. The frequency axis ranges from 14000 to 14360 kHz. The plot shows a clear signal peak at the target frequency, with a noise floor around -110 dBm.

Ham Radio Deluxe:
<https://www.hamradiodeluxe.com/>

www.sdrplay.com

Credit: Steve Brightman, K15ENW

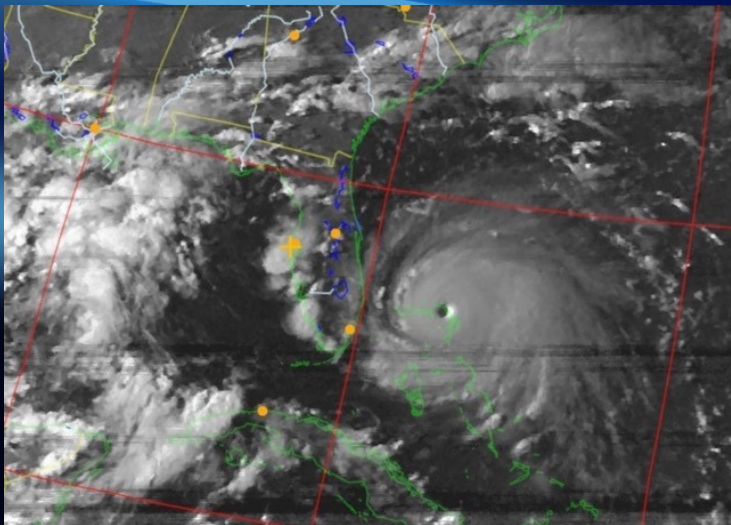


Satellite working



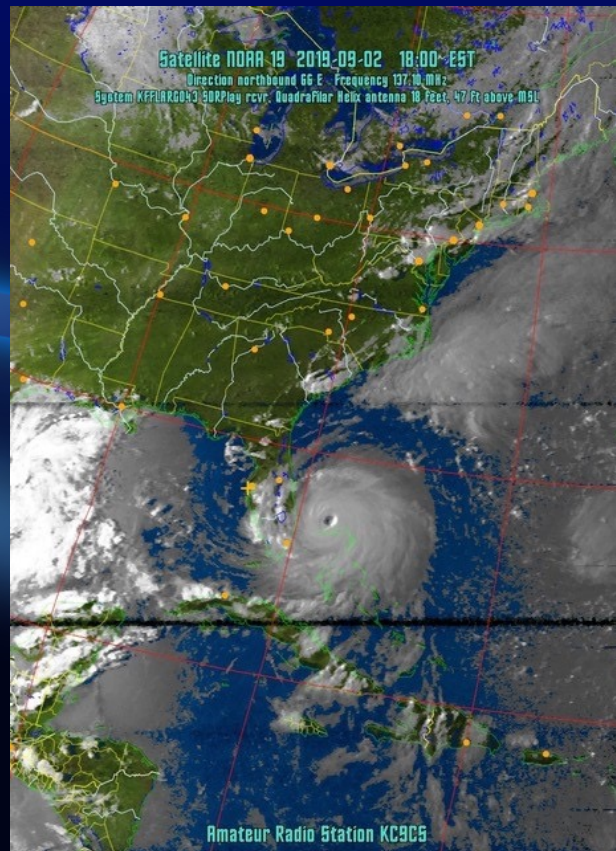
WD9EWK VHF crossed dipole
& Tablet + RSP for telemetry

NOAA Weather satellite (137 MHz) - Wxtoimg (RSP1)



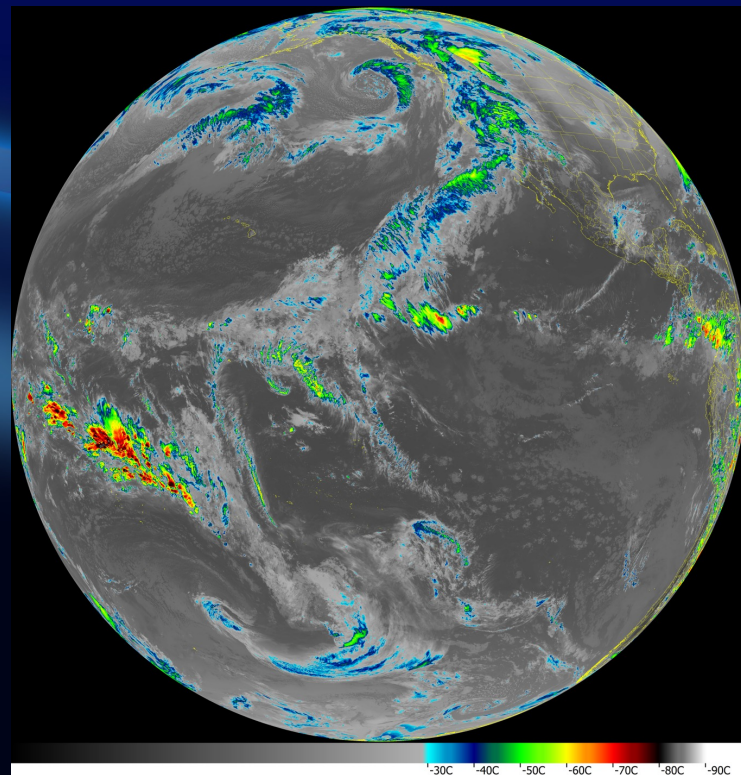
User pictures from the facebook group:
www.facebook.com/groups/sdrplay/

Wxtoimg:
<http://www.wxtoimg.com>



Credit: Hurricane Dorian by Bill Otten, KC9CS

High Resolution imagery received from the NOAA GOES 16 and GOES 17 satellites (1.7GHz)



Credit: Bern Bareis

www.sdrplay.com

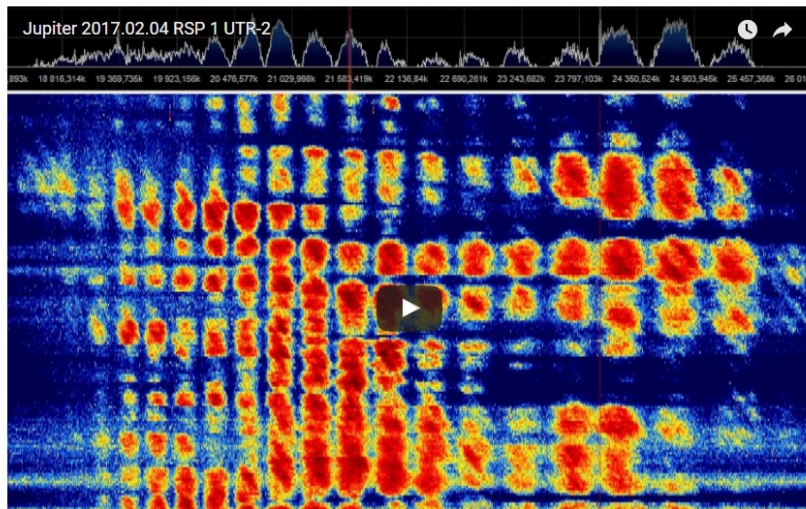


Tune in to Jupiter!

RECEIVING JUPITER NOISE BURSTS WITH AN SDRPLAY RSP1

Over on YouTube user [MaskitoSAE](#) has uploaded a video showing him receiving some noise bursts from Jupiter with his SDRplay RSP1. The planet Jupiter is known to emit bursts of noise via natural 'radio lasers' powered partly by the planets interaction with the electrically conductive gases emitted by Io, one of the planets moons. When Jupiter is high in the sky and the Earth passes through one of these radio lasers the noise bursts can be received on Earth quite easily with an appropriate antenna

In his video [MaskitoSAE](#) shows the 10 MHz of waterfall and audio from some Jupiter noise bursts received with his SDRplay RSP1 at 22119 kHz. According to the YouTube description, it appears that he is using the [UTR-2 radio telescope](#) which is a large Ukrainian radio telescope installation that consists of an array of 2040 dipoles. A professional radio telescope installation is not required to receive the Jupiter bursts (a backyard dipole tuned to ~20 MHz will work), but the professional radio telescope does get some really nice strong bursts as seen in the video.



*Doubles as a new piece of RF lab kit:
an RF Power meter – get one for work or play!*

Using the SDRplay RSP2 for versatile RF Power measurement

-14
-16 dBm
-18
-20
-22
-24
-26
-28
-30
-32

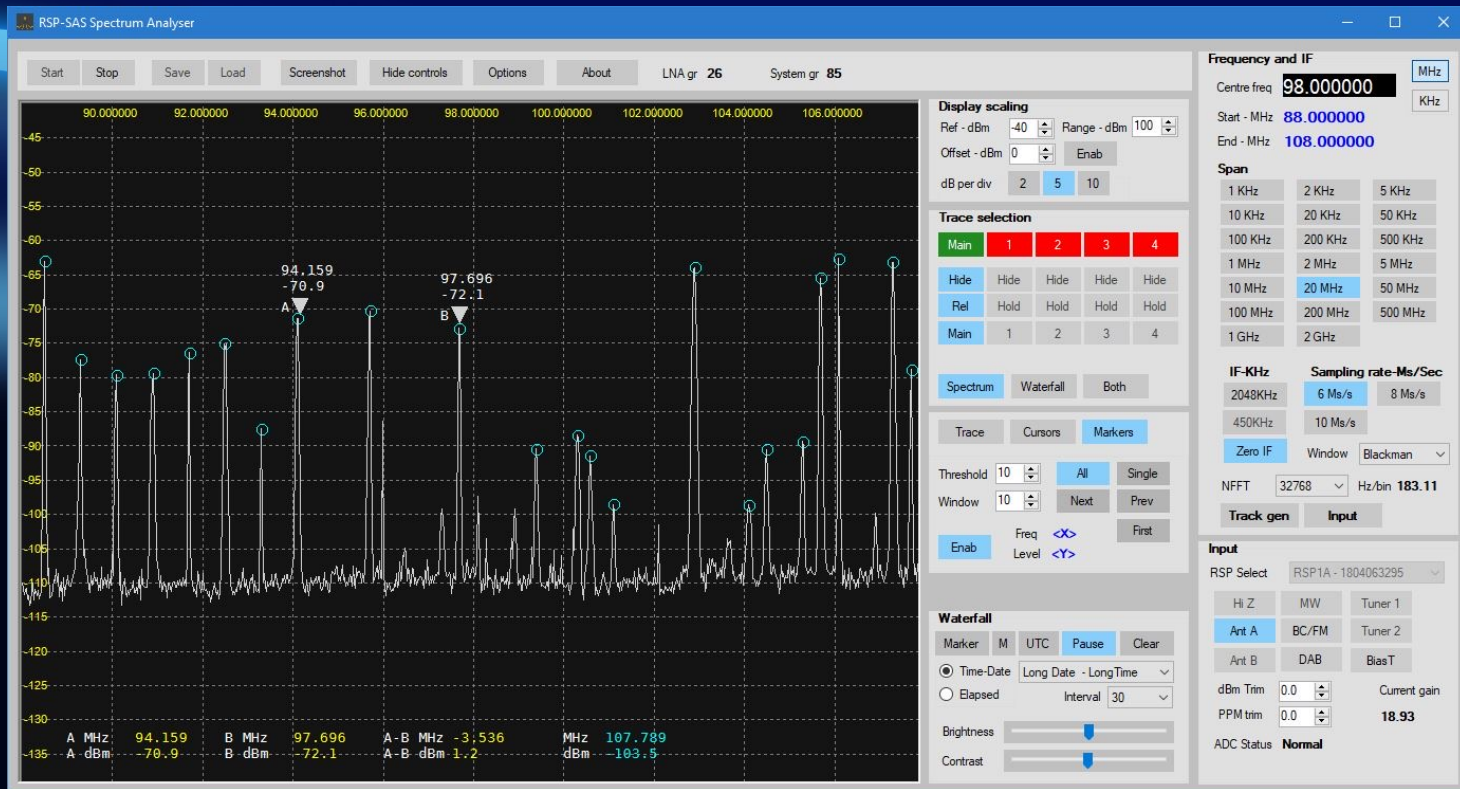
S 1 2 3 4 5 6 7 8 9 +10 +20 +30 +40 +

-30.2 dBm

SNR: 30.1 dB

- Within 1dB accuracy!
- Log data to CSV

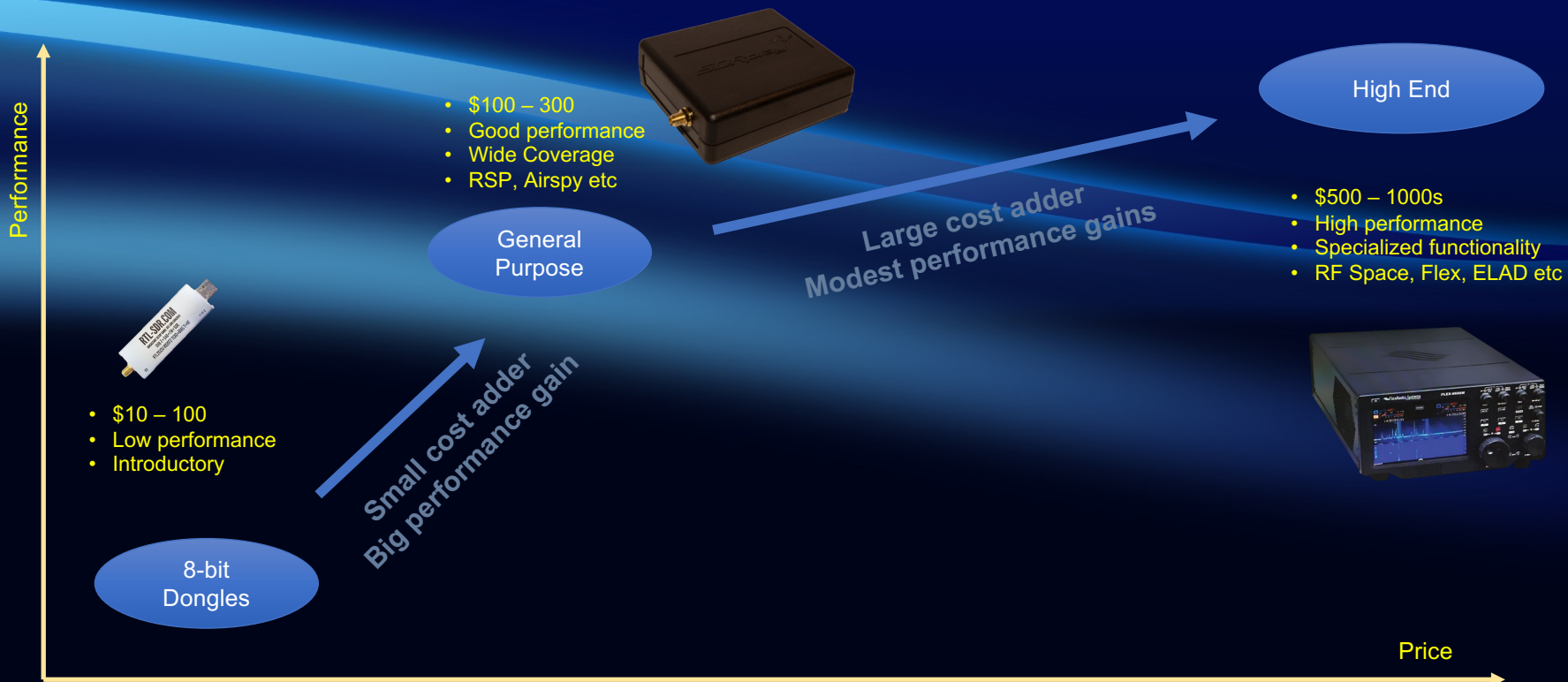
SAS Spectrum Analyser – Make your RSP into a Spectrum Analyser!



SDR hardware



SDR Variety



Review of SDR receivers

– what to consider:

- **Frequency Range:** The range of frequencies the SDR can tune.
- **ADC Resolution:** Higher is better. More resolution means more dynamic range, less signal imaging, a lower noise floor, more sensitivity when strong signals are present and better ability to discern weak signals.
- **Instantaneous Bandwidth:** The size of the real time RF chunk available.
- **RX/TX:** Can the radio receive and/or transmit?
- **Preselectors:** Analogue filters on the front end to help reduce out of band interference and imaging.
- **Software:** Is your favourite package supported? Does manufacturer provide?
- **Price**

Instantaneous bandwidth illustration

RSP1a



RSPdx



10 MHz visibility

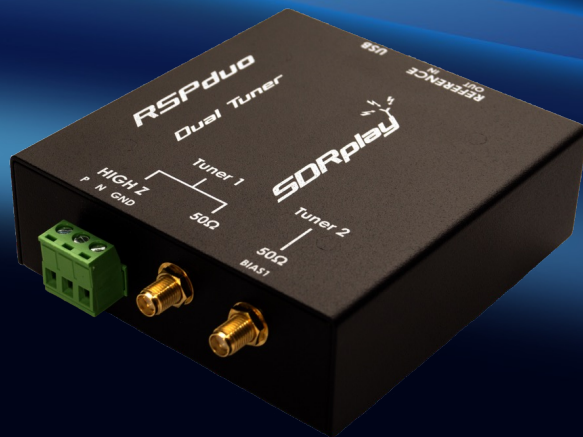
1kHz



2GHz

RSPduo - Dual independent tuners!

- Single 10MHz slice, like the other RSPs, or....
- Two independent “slices” anywhere in the coverage range



1kHz

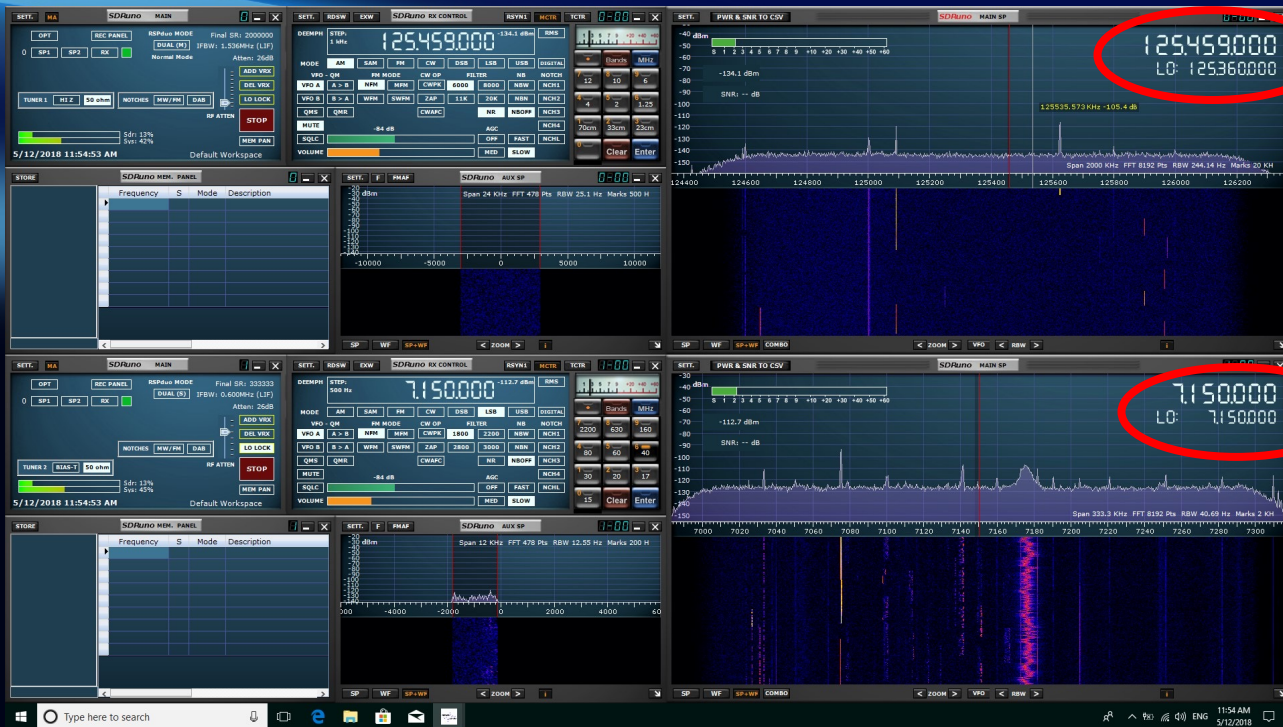


2GHz

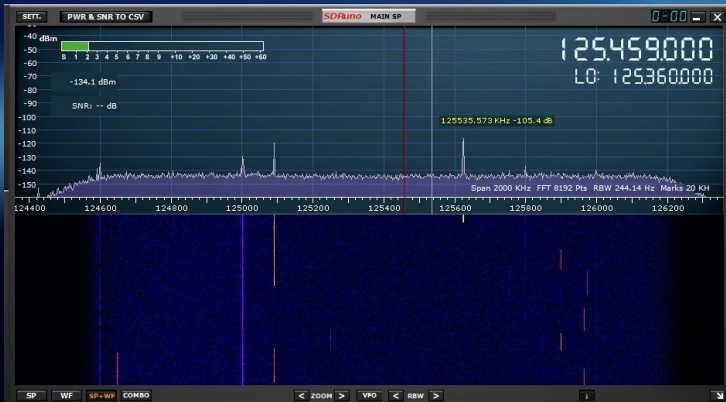
SDRplay Receivers – RSP Family

- Continuous SDR receiver coverage from VLF to 2 GHz
- All the amateur radio bands from VLF to 23cm
- High performance ADC technology (not another compromise SDR!)
- Built-in high performance front-end filters
- Use as a stand-alone general coverage receiver, or as a high resolution panadapter
- Visualize all the signals in multiple bands simultaneously
- SDRUno Windows SDR software provided free-of-charge
- Works on other platforms (Mac, Linux etc) using 3rd party SDR Software
- Works with 3rd party Windows software e.g. HDSDR, SDR-Console)
- Runs on a Raspberry Pi – download our SD Card image
- Ideal for portable operation (powered via USB)
- Can be used as a Spectrum Analyzer or an RF Power Meter
- Backed by the world's biggest and best SDR support community!

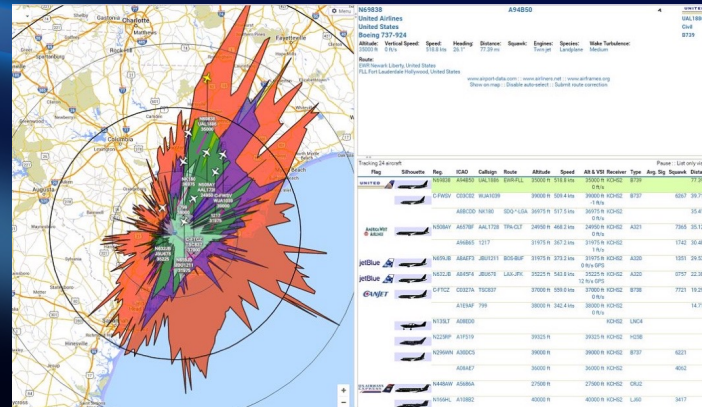
RSPduo - Monitor two widely spaced bands simultaneously!



RSPduo - Mix and match applications simultaneously!



ATC



ADS-B

RSPduo - Diversity Tuning!!!

Dual Gain Sliders

New Diversity Panel (shows phase and amplitude)

The image shows two windows from the SDRplay software. The left window is the 'MAIN' interface for the RSPduo, displaying various control panels like 'OPT', 'SCANNER', 'REC PANEL', and 'DIVERSITY'. It shows 'RSPduo MODE' with 'DIVERSITY' selected, 'IFBW: 1.536MHz (LIF)', and 'Gain: dB'. There are two gain sliders labeled 'T1' and 'T2' under 'RF GAIN'. The right window is the 'DIVERSITY' panel, showing 'SNR: 12.4 dB' and an 'APPLY AUTO' button. It features a circular phase/amplitude plot with a needle. Below the plot, it displays 'A Amplitude: 1.43', 'A Phase: 115.12', 'Amplitude: 1.44', and 'Phase: 115.10'. The bottom of the main window shows the date and time '25/04/2019 09:23:57' and 'Default Workspace'.

- RSPduo only
- MRC (Maximum Ratio Combination) for noise reduction (AUTO mode)
- Interference Rejection (Manual mode)

RSPdx – Multiple Inputs & HDR



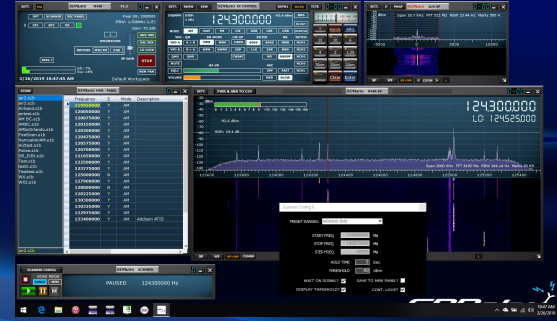
- Improved replacement for RSP2/pro
- 3 Software selectable inputs
- Additional 500kHz LPF for LF/VLF
- HDR mode for enhanced performance under 2MHz
 - Great for Dxers!
- Notch filters on all inputs
- BNC input for reception up to 200MHz
- Rugged steel case

Software



Software

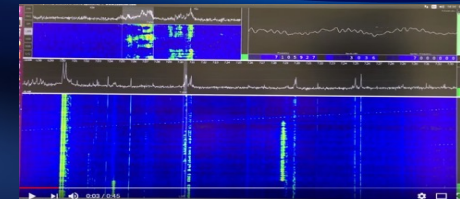
- SDRplay owns and develops our own SDR software, optimised for the RSP family:
 - Software upgradeable for future standards
 - API provided to allow demodulator or application development
- SDRplay also provides Multi-platform API enabling Windows, Mac, Linux, Android, Raspberry Pi 3rd party software including: SDRConsole, HDSR and CubicSDR
- All the above software packages are available **free of charge!**
- Supports 3rd party software e.g, loggers, Decoders, Rig Control etc



SDRUno



SDRConsole



CubicSDR



HDSR

Multiple VFOs & different decode modes - simultaneously!

The screenshot displays the SDRplay software interface with three VFOs and two decode windows. The top VFO is at 14.0956 MHz, the middle at 14.076000 MHz, and the bottom at 14.230000 MHz. The middle and bottom VFOs are in USB mode. The top decode window shows a signal with a frequency of 14.097075 MHz. The bottom decode window shows a list of band activity and Rx frequency data.

| UTC | dB | DI | Freq | Drift | Call | Grid | dBm | km |
|------|-----|-----|-----------|-------|-------|------|-----|------|
| 1504 | -16 | 2.1 | 14.097075 | 0 | W4KDN | FM07 | 20 | 631 |
| 1504 | -12 | 0.6 | 14.097085 | 0 | W4MO | EL86 | 33 | 1876 |
| 1504 | -16 | 0.7 | 14.097096 | 0 | W4MO | EL87 | 37 | 1767 |
| 1504 | -9 | 2.9 | 14.097097 | 0 | K5NCA | EM30 | 23 | 1846 |
| 1504 | -24 | 0.6 | 14.097126 | 0 | W4MO | EL87 | 37 | 1767 |
| 1504 | -22 | 0.6 | 14.097150 | 0 | W0IVJ | DM79 | 23 | 2164 |
| 1504 | -17 | 0.7 | 14.097153 | 0 | N5EN | EL29 | 20 | 2051 |

| UTC | dB | DI | Freq | Message |
|------|-----|------|------|---------------------|
| 1503 | -17 | 0.5 | 1006 | # KC1GWX KSETU RRR |
| 1503 | -15 | 0.5 | 822 | # K3ODX AI6MQ -16 |
| 1504 | -4 | 2.7 | 1168 | # XE2SIV K5VOL R-09 |
| 1505 | -1 | 0.9 | 403 | # CQ DX NETZH EM41 |
| 1505 | -1 | -2.2 | 715 | # CQ KGSHTM EM02 |
| 1505 | -12 | 0.5 | 1006 | # KC1GWX KSETU 73 |
| 1505 | -18 | 0.4 | 1164 | # K5VOL XE2SIV -25 |
| 1505 | -12 | 0.5 | 821 | # K3ODX AI6MQ -16 |

RF power level + SNR measurement & logging

#2 SDRplay v1.2 PWR & SNR measurement & ham band framing.

The screenshot displays the SDRplay v1.2 interface. On the left, a station list shows various frequencies and modes. The main window shows a frequency spectrum with a red arrow pointing to a specific signal. A data log window is open, showing a table of measurements. A red arrow points from a YouTube play button icon to the data log window.

| Date Start | VFO Freq | Power (dBm) | SNR (dB) | |
|------------|----------|-------------|----------|--|
| 11/6/2017 | 12160000 | -78.6 | 20.7 | |
| 11/6/2017 | 12160000 | -78 | 20.7 | |
| 11/6/2017 | 12160000 | -76.1 | 20.3 | |
| 11/6/2017 | 12160000 | -75.2 | 26.8 | |
| 11/6/2017 | 12160000 | -75.1 | 27.4 | |
| 11/6/2017 | 12160000 | -75.4 | 27.8 | |
| 11/6/2017 | 12160000 | -77.3 | 21.2 | |
| 11/6/2017 | 12160000 | -80 | 19.8 | |
| 11/6/2017 | 12160000 | -80.9 | 19.8 | |
| 11/6/2017 | 12160000 | -81.5 | 20.7 | |
| 11/6/2017 | 12160000 | -78 | 19.9 | |
| 11/6/2017 | 12160000 | -77.1 | 20.4 | |
| 11/6/2017 | 12160000 | -76 | 20.7 | |
| 11/6/2017 | 12160000 | -74.5 | 24.1 | |
| 11/6/2017 | 12160000 | -73.6 | 24.1 | |
| 11/6/2017 | 12160000 | -72.9 | 27.7 | |
| 11/6/2017 | 12160000 | -72.8 | 26.6 | |
| 11/6/2017 | 12160000 | -72.9 | 25.3 | |
| 11/6/2017 | 12160000 | -73 | 25.3 | |
| 11/6/2017 | 12160000 | -72.9 | 27.6 | |
| 11/6/2017 | 12160000 | -73.8 | 29.5 | |
| 11/6/2017 | 12160000 | -74.3 | 27.6 | |
| 11/6/2017 | 12160000 | -74.5 | 27.6 | |
| 11/6/2017 | 12160000 | -75 | 22.8 | |
| 11/6/2017 | 12160000 | -74.8 | 23.4 | |
| 11/6/2017 | 12160000 | -75.6 | 25.8 | |
| 11/6/2017 | 12160000 | -75.5 | 25.8 | |
| 11/6/2017 | 12160000 | -77 | 26.7 | |
| 11/6/2017 | 12160000 | -79.8 | 21 | |
| 11/6/2017 | 12160000 | -82.9 | 14.9 | |
| 11/6/2017 | 12160000 | -84.3 | 14.9 | |
| 11/6/2017 | 12160000 | -83.9 | 16.4 | |

Scanning – scan a range of frequencies or your own preset frequencies

The screenshot displays the SDRplay software interface with several key components:

- SDRplay MAIN:** Shows the current frequency at 124300000 Hz. The interface includes buttons for 'OPT', 'SCANNER', and 'REC PANEL'. A 'STOP' button is visible in the bottom right of this panel.
- SDRplay RX CONTROL:** Displays the current frequency (124300000) and signal strength (-92.6 dBm). It includes a 'DEMPH' control and various mode selection buttons (AM, SAM, FM, CW, DSB, LSB, USB, DIGITAL).
- SDRplay AUX SP:** Shows a spectrum plot with a span of 18.7 KHz and FFT of 512 Pts. The plot shows a signal at the current frequency.
- SDRplay MEM. PANEL:** A list of memory banks (presets) with columns for Frequency, S, Mode, and Description. The list includes entries like 'Air2.s1b', 'Air3.s1b', 'Airband.s1b', etc., up to 'Addison ATIS' at 133400000 Hz.
- SDRplay MAIN SP:** Shows a zoomed-in spectrum plot of the current frequency (124300000 Hz) with a span of 2000 KHz and FFT of 8192 Pts. The signal strength is -92.6 dBm and SNR is 19.4 dB.
- Scanner Config 0:** A dialog box for configuring the scanner. It includes fields for 'PRESET RANGES' (set to AIRBAND (NA)), 'START FREQ' (118000000 Hz), 'STOP FREQ' (136975000 Hz), and 'STEP FREQ' (25000 Hz). Other options include 'HOLD TIME' (5 Sec), 'THRESHOLD' (-80 dBm), and checkboxes for 'WAIT ON SIGNAL?', 'SAVE TO MEM PANEL?', 'DISPLAY THRESHOLD?', and 'CONT. LOOP?'.
- Scanner Config:** A small panel at the bottom left showing 'SCAN MODE' (PAUSED) and the current frequency (124300000 Hz).

Yellow callout boxes highlight specific features:

- Scan to or from Memory Banks:** Points to the 'MEM. PANEL' and the 'Scanner Config' dialog.
- Lock out unwanted freqs:** Points to the 'Scanner Config' dialog.
- Preset or user-defined scan ranges:** Points to the 'Scanner Config' dialog.

Plugins

- Enhance receiver capabilities:
 - Annotation
 - Decoders
 - Controllers
 - 3rd party Interface
 - Recorders
- SDRplay or 3rd party development

The screenshot displays the SDRplay software interface with several panels:

- SDRplay MAIN:** Shows receiver settings like Final SR (62500), IFBW (0.200MHz), and Gain (40.0dB). It includes buttons for OPT, SCAN, SCHEDULE, and SCHEDULES.
- SDRplay RX CONTROL:** Displays the current frequency (10099.900) and various modulation modes (AM, FM, CW, DSB, LSB, USB, etc.).
- SDRplay AUX SP:** Shows a spectrum plot with a peak at 10099.900 MHz. The plot includes a span of 12 kHz and FFT of 597 Pts.
- SDRplay MEM. PANEL:** A table listing various plugins and their settings.
- SDRplay MAIN SP:** A detailed spectrum plot showing various stations like Shannon HF DL (ID7), Auckland HF DL (ID5), and Georgia Coast Guard ALE. The plot includes a span of 62.5 kHz and FFT of 65536 Pts.
- SDRplay PLUGINS:** A dialog box showing a list of installed plugins such as DXCluster, MPXOutput, and BlackCat Systems.
- SDRplay FRAM:** A dialog box showing the current frame rate and sources, including SWSKeys File B20-210305-2100G-CSV read 47162 records.

Scheduler

The screenshot displays the SDRplay software interface with the Scheduler Event Editor dialog box open. The dialog box is titled "Scheduler Event Editor" and contains the following fields and options:

- Event Time:** START: 13:24:00, END: 13:54:00, DURATION: 00:30:00
- Title:** TITLE: Event 3
- Event Start Date:** START: 28 July 2021
- Event Recurrence:** None, Hourly, Daily, Weekly, Monthly
- Event End:** End By: 28 July 2021, End After: 1 occurrences, No End Date
- Alerts:** Enable Alert (checked), 5 Minutes before event for alert
- PLUGINS:** None, ADSB, AudioRecorder, DAB, DXCluster, MPXOutput, BlackCatSystems, CloudMarkers, ContourShuttle, Fax, Fran, UnoEQ
- FUNCTION:** Play
- PROFILE:** None
- VFO:** 7798000 Hz, ACTIVE VRX: 0

The main interface shows the following details:

- SETTINGS:** MA, PLUGINS, SDRplay MAIN, V1-41 0727
- DEEMPH:** STEP: 1 kHz, 7.798000, -108.3 dBm
- MODE:** AM, SAM, FM, CW, DSB, LSB, USB
- VFO A:** A > B, NPM, MPM, CWPK, 6000, 8000, NBW, NCH1
- VFO B:** B > A, WPM, SWPM, ZAP, 11K, 20K, NBN, NCH2
- QMS:** QMR, CWAF, NR, NBO, NCH3
- SQLC:** -84 dBm, NCH4
- VOLUME:** 0, NCH5
- STORE:** SDRplay MEM. PANEL, Frequency S Mode, 119950000 Y AM, 120050000 Y AM, 120075000 Y AM, 120150000 Y AM
- PWR & SNR TO CSV:** SCREENSHOT, -20 dBm, -30, -40, -50, -60, -108.3 dBm SNR: -- dB
- SCHEDULED EVENTS:**

| Start | Stop (Duration mins) | Name | Repeat | Profile | Function | Alert (mins) | Active VRX | VFO (Hz) | Plugins |
|------------------|----------------------|---------|---------------|---------|----------|--------------|------------|----------|---------|
| 2021/07/28 08:00 | No End Date (0) | Event 1 | Every 1 Hour | None | Play | 5 | 0 | 7100000 | None |
| 2021/07/28 08:30 | No End Date (0) | Event 2 | Every 2 Hours | None | Play | 5 | 0 | 7200000 | None |
| 2021/07/28 08:33 | No End Date (0) | Event 3 | Every 1 Hour | None | Play | 5 | 0 | 7300000 | None |
| 2021/07/28 08:12 | No End Date (0) | Event 4 | None | None | Play | 5 | 0 | 7400000 | None |
- Single1.cfg** window is open with playback controls.
- Scheduled Event Stopped** message is displayed.
- 81°F Sunny** weather widget is in the bottom right.
- 1:19 PM 7/28/2021** system clock is in the bottom right.

Profiles

- Ensure receiver is set up correctly for:
 - Scheduled events
 - Specific user scenarios
- Store a complete set of radio parameters including:
 - LO and VFO
 - Sample rate (SR and DEC)
 - Gain
 - Input selection
 - Notch filters
 - VRX settings
- Examples:
 - AM broadcast
 - HF CW or FT8
 - FM Broadcast

The screenshot displays the SDRplay software interface. The top window shows the 'SDRplay MAIN' control panel with various settings for the receiver, including 'RSP400 MODE', 'Final SR: 2000000', and 'IFBW: 1.536MHz (LIF)'. The 'DEEMPH' section shows a frequency of 13900000 Hz and a level of -107.6 dBm. The bottom window shows the 'SDRplay MEM. PANEL' with a list of profiles. The '1390lock.cfg' profile is highlighted in yellow. To the right, a spectrum plot shows a signal at -107.6 dBm with an SNR of 8.7 dB. The bottom status bar indicates 'Profile (1390lock) loaded' and shows the current mode as 'SP + WF'.

| Profile Name | Frequency | S | Mode |
|------------------|-----------|---|------|
| air2.s1b | 119950000 | Y | AM |
| air3.s1b | 120050000 | Y | AM |
| Airband.s1b | 120075000 | Y | AM |
| airtest.s1b | 120150000 | Y | AM |
| AMBC.s1b | 120300000 | Y | AM |
| AMbcOrlando.s1b | 120475000 | Y | AM |
| FirstScan.s1b | 120575000 | Y | AM |
| HamcationAM.s1b | 120700000 | Y | AM |
| HiZtest.s1b | 121650000 | Y | AM |
| Police.s1b | 122500000 | Y | AM |
| SB_EIBM.s1b | 123775000 | Y | AM |
| Test.s1b | 125000000 | N | AM |
| test2.s1b | 127900000 | Y | AM |
| Testtest.s1b | 128000000 | N | AM |
| WEFAX.s1b | 128225000 | Y | AM |
| WX.s1b | 130300000 | Y | AM |
| WX2.s1b | 130325000 | Y | AM |
| air2.s1b | 132975000 | Y | AM |
| 1386.cfg | 133400000 | Y | AM |
| 1390lock.cfg | | | |
| 1427.cfg | | | |
| 20mVoice.cfg | | | |
| 40mCW.cfg | | | |
| 40mDigital.cfg | | | |
| AirScan.cfg | | | |
| AMBC.cfg | | | |
| AMforScan.cfg | | | |
| AMtuner2.cfg | | | |
| Diversity20m.cfg | | | |
| DualMaster.cfg | | | |
| FMBC.cfg | | | |
| MCTROff.cfg | | | |
| MCTRtest.cfg | | | |
| MCTRwefax.cfg | | | |
| MMBMaster1.cfg | | | |
| 1390lock.cfg | | | |

SDRuno Software Roadmap

v1.42

- **Final Version of SDRuno**
 - Will continue to be supported for bug fixes etc
 - No new major enhancements will be added
- **Nomenclature: V1.42 build xxxx**
 - where xxxx is a unique 4 digit number typically based on MMDD
- All SDRuno software enhancements (except those for specific hardware) are applicable to all RSP models!
- The update notifications (if they are turned on) will make you aware of when a release is ready. If you do not want these notifications, the update notifier can be disabled in the main panel OPT menu.
- For more info: <https://www.sdrplay.com/sdruno-roadmap/>



Introducing SDRconnect

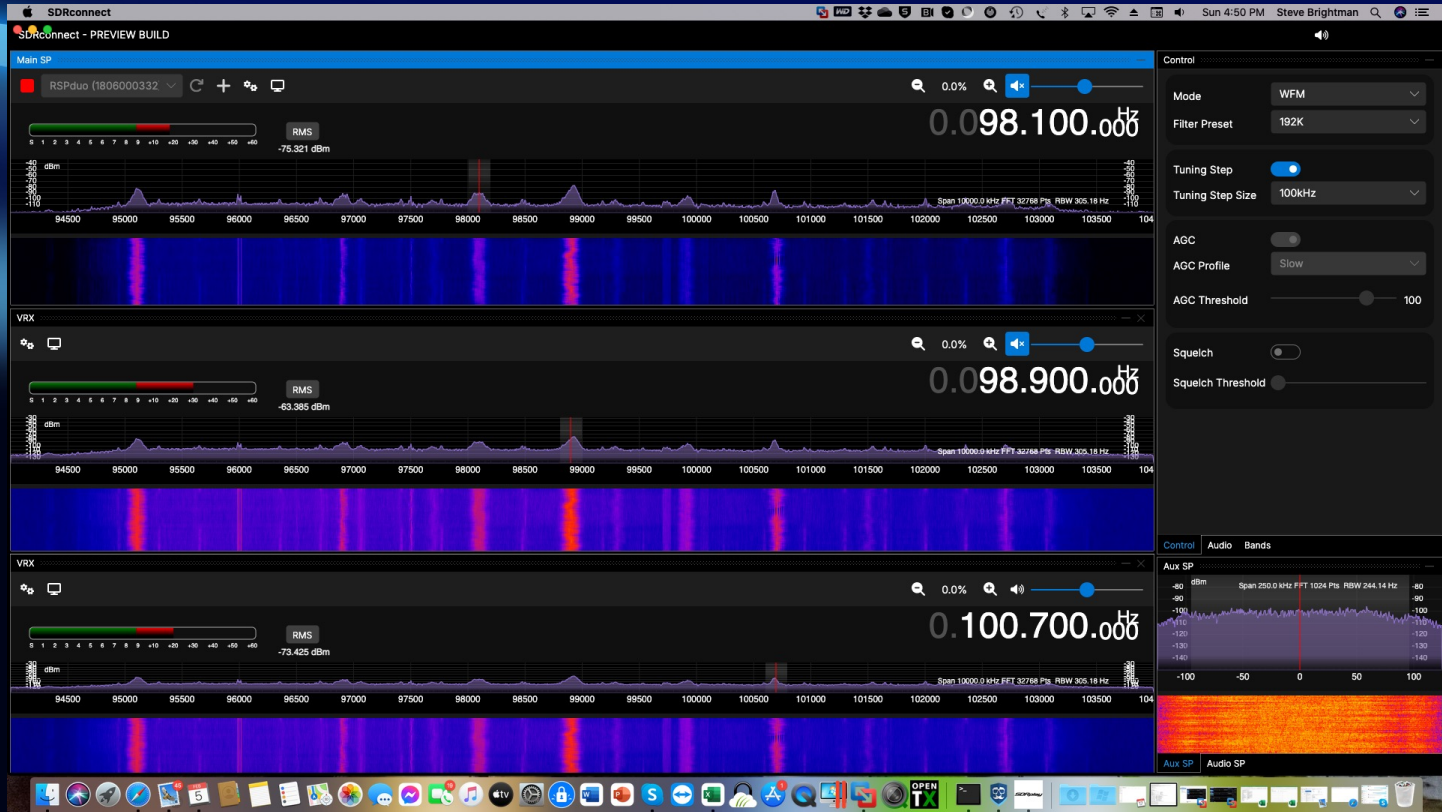
- Complete rewrite of SDRuno
 - Both SDRuno and SDRconnect can be installed on the same machine
 - SDRuno v1.42 will continue to be supported (bug fixes etc only)
- Cross Platform (x86, ARM, MacOS, Linux, Windows, Android)
- New Remote Server and Client (cross platform)
 - Access your RSP from anywhere – home LAN or across the internet!
- Complete GUI rewrite and update
 - More intuitive / easy to use interface
 - Ability to lock panels together
- Modular architecture
 - Easily add additional functionality
- Compatible with all current RSPs (RSP1A, RSPdx, RSPduo)
 - Compatible with RSP2 & RSP2pro discontinued products
 - Due to hardware limitations the RSP1 is not supported, but SDRuno 1.42 can still be used
- **Preview release is imminent!** (see <https://www.sdrplay.com/sdrconnect/> for updates)



Introducing SDRconnect - Example screenshot

Mac Version

Multiple VRX



Note: GUI not yet finalized!

Introducing SDRconnect - Example screenshot

The screenshot displays the SDRconnect software interface, showing a Windows (Win10) Client and a Mac (M1) Client connected to a Mac (Intel) Server. The interface includes a spectrum analyzer, control panels, and a terminal window displaying log data.

Windows (Win10) Client:

- Mode: AM
- Filter Preset: 6K
- Tuning Step: 1kHz
- AGC: Slow
- AGC Profile: Slow
- AGC Threshold: 100
- Frequency: 0.097.500.000 Hz
- RMS: -92.88 dbm

Mac (M1) Client:

- Mode: WFM
- Filter Preset: 192K
- Tuning Step: 100kHz
- AGC: Slow
- AGC Profile: Slow
- AGC Threshold: 100
- Frequency: 0.098.100.000 Hz
- RMS: -66.972 dbm

Mac (Intel) Server:

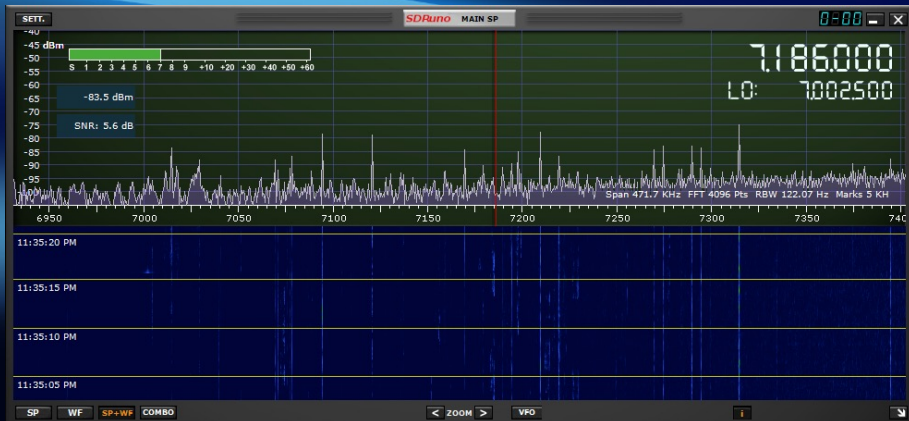
- Terminal log data showing client connections and status updates.

Mac (Intel) Server

Panadapters



What is a Panadapter?



*“Go-to” choice for Kenwood,
Yaesu, Icom, Elecraft etc!*

- “Panadapter is short for Panoramic Adapter. The simple answer is that it allows us to see a panoramic display of the band our radio is tuned to. We can see every signal”*.
- Early implementations used a PC soundcard to achieve this function but were therefore limited to 200 kHz of bandwidth because they rely on the sound card.
- The advent of affordable SDR hardware such as the RSP1A has allowed implementations with much greater bandwidth, and hence much more usefulness.
- Combined with readily available, and capable, SDR software Panadapters are now an affordable and easy to implement reality!

* Definition courtesy KA9MOT <http://mypanadapter.com/>

Why panadapter?

- Add new capabilities / visibility to any rig
- Synchronize the the rig to the software if it has a CAT port
- Work one frequency while monitoring the whole band
- Monitor multiple bands in addition to the one you're working
- Arbitrarily large spectrum scope
- Less cost, more features than factory add-ons,

Monitoring 3 bands with SDRuno

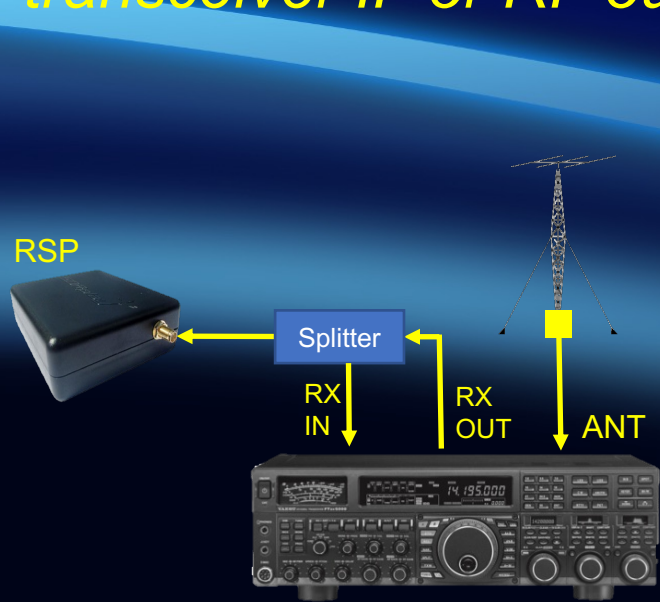
The screenshot displays the SDRplay software interface, which is used for monitoring and processing radio signals. The interface is divided into several sections:

- Top Left: SDRuno MAIN**
 - Final SFL: 9000000
 - IFBW: 8.00MHz (2IF)
 - GR: 53dB
 - Buttons: ADD VIX, DEL VIX, LO LOCK, MEN PAN
 - SR (MHz): 3.0, DEC: 1
 - SP Gain Reduction: 50% (74%), Svi: 85%
 - Date/Time: 3/21/2018 7:09:15 PM, Test12
- Middle Left: SDRuno RX CONTROL (Band 1)**
 - STEP: 500 Hz
 - Frequency: 7077000
 - SNR: -74.7 dBm
 - Mode: AM, SAM, FM, CW, DSB, LSB, USB, DIGITAL
 - Filters: VFO-A, VFO-B, VFO-C, VFO-D, VFO-E, VFO-F, VFO-G, VFO-H, VFO-I, VFO-J, VFO-K, VFO-L, VFO-M, VFO-N, VFO-O, VFO-P, VFO-Q, VFO-R, VFO-S, VFO-T, VFO-U, VFO-V, VFO-W, VFO-X, VFO-Y, VFO-Z
 - MUTE: 57 dB
 - VOLUME: MED, SLOW
- Bottom Left: SDRuno RX CONTROL (Band 2)**
 - STEP: 1 MHz
 - Frequency: 14216500
 - SNR: -108.0 dBm
 - Mode: AM, SAM, FM, CW, DSB, LSB, USB, DIGITAL
 - Filters: VFO-A, VFO-B, VFO-C, VFO-D, VFO-E, VFO-F, VFO-G, VFO-H, VFO-I, VFO-J, VFO-K, VFO-L, VFO-M, VFO-N, VFO-O, VFO-P, VFO-Q, VFO-R, VFO-S, VFO-T, VFO-U, VFO-V, VFO-W, VFO-X, VFO-Y, VFO-Z
 - MUTE: 65 dB
 - VOLUME: MED, SLOW
- Bottom Left: SDRuno RX CONTROL (Band 3)**
 - STEP: 1 MHz
 - Frequency: 10000000
 - SNR: -52.1 dBm
 - Mode: AM, SAM, FM, CW, DSB, LSB, USB, DIGITAL
 - Filters: VFO-A, VFO-B, VFO-C, VFO-D, VFO-E, VFO-F, VFO-G, VFO-H, VFO-I, VFO-J, VFO-K, VFO-L, VFO-M, VFO-N, VFO-O, VFO-P, VFO-Q, VFO-R, VFO-S, VFO-T, VFO-U, VFO-V, VFO-W, VFO-X, VFO-Y, VFO-Z
 - MUTE: 84 dB
 - VOLUME: MED, SLOW
- Right Side: SDRuno MAIN SP**
 - Three spectral plots showing signal strength across frequency bands.
 - Top plot: Frequency 7077000, SNR: -74.7 dBm, Span: 562.5 KHz, FFT: 32768 Pt, RBW: 274.66 Hz, Marks: 5 Kh.
 - Middle plot: Frequency 14216500, SNR: -108.0 dBm, Span: 562.5 KHz, FFT: 32768 Pt, RBW: 274.66 Hz, Marks: 5 Kh.
 - Bottom plot: Frequency 10000000, SNR: -52.1 dBm, Span: 562.5 KHz, FFT: 32768 Pt, RBW: 274.66 Hz, Marks: 5 Kh.

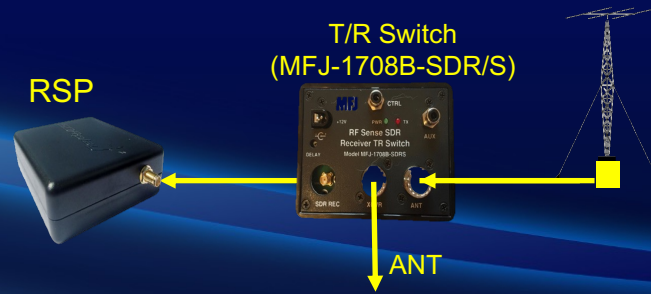
The perfect Panadapter companion for your rig

- Any of the SDR Software programs that support RSP can be used to provide a basic spectrum display.
- SDRUno, HDSDR, SDR Console and CubicSDR have built-in capabilities for CAT and other add-on software, to allow for communication between the SDR software and the transceiver.
- OmniRig is commonly used for synchronization/control between the TRx and SDR Rx, but other control software, e.g. HRD, DXlab etc. can be incorporated using SDRUno's CAT capability
- App notes and videos available from sdrplay.com

Use a T/R switch if not using protected transceiver IF or RF out!



- RSP protected by rig's internal T/R
- Splitter if required (e.g. Yaesu)
- RX BW limited by IF



- RSP protected by T/R
- T/R shares signal
- Widest RX bandwidth
- *Always connect PTT!*



- RSP protected by rig's internal T/R
- Direct connection (e.g. Kenwood TS-590SG)

Support and further information



Software Downloads

SDRplay

Home Products Purchase Software/Downloads Help Misc

Twitter Facebook YouTube Search

Software (Downloads)

Start Here

New User? We recommend you click here to follow the [StartHere](#) flow

Need other software, or using a different Operating System? Fill in the dropdowns below and we'll take you there...

Select your RSP model

and

Select Operating System

Warning: SDRplay Software can only work with genuine RSP hardware – click [here](#) for more info

We recommend our own full-featured SDR software: SDRruno for Windows. Just click here for links to download the latest version and view documentation and the SDRruno software roadmap

Documentation and Video Catalog

The screenshot shows the SDRplay website's documentation and video catalog. The page has a blue header with the SDRplay logo and navigation links: Home, Products, Purchase, Software/Downloads, Help, Misc. Below the header, the main content area is white with a blue text box containing an introductory paragraph. Below this, there are filter tabs for 'Select Category to search on' (RSP Hardware, SDRplay Software, 3rd Party Software, Other Hardware, Miscellaneous) and 'Select Sub-Category' (Applications articles, Documents, Non-Windows platforms, Basics, SDRuno, Webinars, Non English). A search bar is present with a 'SEARCH' button and checkboxes for 'Include Third Party Content?' and 'Search ALL Categories?'. Below the search bar, a note states: 'Searches on full words of more than 2 characters. Returns instances of either term if more than 1. Returns nothing when too many hits (eg SDRuno)'. A 'Clear Query' button is also visible. The main content area displays a list of items with columns for 'Description' and 'Created'. Each item includes a video icon (red play button) and a document icon (red document with checkmark).

DOCUMENTATION & VIDEO CATALOGUE (PREVIOUSLY CALLED "APPLICATIONS AND SUPPORT CATALOGUE")

The SDRplay Documentation and Video Catalogue is your reference point for documentation, application Notes, how-to videos and much more. You can select by category and sub-category or choose to search "all categories". You can search by keyword and decide whether to include links to third party content. For more detailed information on each item, hover over the icon. Clicking will give access to the video or document.

Select Category to search on RSP Hardware SDRplay Software 3rd Party Software Other Hardware Miscellaneous

Select Sub-Category Applications articles Documents Non-Windows platforms Basics SDRuno Webinars Non English

Search selected area for term Include Third Party Content? Search ALL Categories?

Searches on full words of more than 2 characters. Returns instances of either term if more than 1. Returns nothing when too many hits (eg SDRuno)

| Description click for more details | | Created |
|--|--|-------------|
| VID562 SDRuno v1.40.2 Profiles | | 02-Dec-2020 |
| VID556 SDRuno basics Virtual audio cable | | 28-Oct-2020 |
| DOC610 Installing the SDRplay RSP API on an M1 Mac | | 09-Oct-2021 |
| VID599 SDRuno V1.41 ADSB plugin guide | | 30-Jul-2021 |
| VID597 SDRuno v1.41 Introduction | | 29-Jul-2021 |
| VID600 ADSB plugin preview | | 28-Jul-2021 |
| VID555 Using Virtual Audio Cables | | 28-Oct-2020 |
| VID546 SDRuno FAQ Installation | | 14-Sep-2020 |
| VID542 Loading 3rd Party Plugins | | 04-Sep-2020 |
| VID539 SDRuno DAB plugin | | 20-Aug-2020 |
| VID538 SDRuno Audio Recorder Plugin | | 17-Aug-2020 |
| VID537 SDRuno DX Cluster plugin demo | | 14-Aug-2020 |
| VID535 SDRuno Improved Squelch | | 09-Aug-2020 |
| MV049 Setting up the Recording Scheduler in SDRuno | | 03-Mar-2020 |
| MV050 Making a wav or mp3 file from SDRuno | | 03-Mar-2020 |
| AV038 SDRplay RSPduo HF diversity demo (22m) | | 25-Oct-2019 |
| UG006 Workflow for running GNU-radio with SDRplay RSPs | | 11-Oct-2019 |
| AV036 Diversity setup and demo for 3 HF antennas | | 14-Aug-2019 |
| AV034 Diversity for noise cancelling demo (RSPduo) | | 22-Jul-2019 |

- Searchable
- Literally hundreds of documents and videos!

How-to videos: SDRplay YouTube Channel

SDRuno Video Guides - Part 2 (V 1.2 onwards) [PLAY ALL](#)

This is Part 2 in our series of SDRuno Video guides for version 1.2 and later. The Video guides in Part 1 were created using earlier versions of SDRuno so you may see some slight differences in the



SDRuno v1.2- What changed in Version 1.2

SDRplay Software Defined Rad...
4.2K views · 1 month ago

Introducing RSP1A and SDRuno v1.21

SDRplay Software Defined Rad...
766 views · 1 day ago

#1 SDRuno v1.2- Workspaces & Resolution bandwidth

SDRplay Software Defined Rad...
1.4K views · 3 weeks ago

#2 SDRuno v1.2- PWR & SNR measurement & ham band

SDRplay Software Defined Rad...
1.2K views · 3 weeks ago

SDRuno Video guides- Part 1 (Click here for Part 1 in our series of over 20 video guides) [PLAY ALL](#)

These are "How to" Video guides to setting up SDRuno for the RSP Part 1 were made using earlier versions of SDRuno than was used



#1 SDRuno Basic layout and settings (version 1.2 and

SDRplay Software Defined Rad...
14K views · 7 months ago

#21 SDRuno with the Griffin PowerMate

SDRplay Software Defined Rad...
5K views · 2 months ago

SDRuno EXT/IO Edition for a range of SDRs and dongles

SDRplay Software Defined Rad...
3.4K views · 2 months ago

#17 SDRuno with the TM-2 USB Controller

SDRplay Software Defined Rad...
1.8K views · 5 months ago

#16 SDRuno & MultiPSK decoding ACARS

SDRplay Software Defined Rad...
2.1K views · 5 months ago

Facebook Groups

SDRplay SDRUno
Public group

About
Discussion
Chats
Announcements
Members
Events
Videos
Photos
Files

SDRplay
Closed group

About
Discussion
Chats
Members
Events
Videos
Photos
Files

Joined | Notifications | Share | More

Write Post | Add Photo/Video | Live Video | More

Write something...

Photo/Video | Watch Party | Tag Friends | More

NEW ACTIVITY

Jon Hudson
6 hrs

When using the dual tuners of the RSPduo, or multiple RSPs on a single computer you sometimes want them all tuned to the same frequency, e.g. for antenna comparisons. This video shows how you can set this up from within SDRUno: <https://youtu.be/drhOZPY688I>

Synchronised VFOs

DESCRIPTION
This is an UNOFFICIAL SDRUno software the GROUP TYPE Support

SDRplay
Public group

THE UNOFFICIAL USER GROUP FOR
SDRplay
CONTINUOUS COVERAGE 1KHZ-20KHZ
RSP1 - RSP1A - RSP2 - RSP2PRO - RSP2DUO
12.44MBIT QDR 10MHZ SPECTRUM
WWW.SDRPLAY.COM

Joined | Notifications | Share | More

Write Post | Add Photo/Video | Live Video | More

Write something...

Photo/Video | Watch Party | Tag Friends | More

FROM NOTIFICATIONS

Mike Ladd
Rising Star · 6 mins

Radio Romania Int (DRM) 9495. Great signal and perfect decode into South Florida using the RSPduo and a W6LVP loop indoors on the ground floor.

MEMBERS 9,964 Members

SUGGESTED MEMBERS Hide

Friends

Tereza Byrne | Invite Member
Foster Cooperstein | Invite Member
Paul Noel | Invite Member

DESCRIPTION
This group is an Independent group for all owners and future own... See More

GROUP TYPE Support

More than 10,000 users helping each other!

Direct support from SDRplay



The screenshot shows a web browser window with the title "Welcome to Help" and a small "welcome2help2" notification. The page is organized into a grid of blue buttons with icons and text. The buttons are arranged in two columns and five rows. The first row contains "tech help" and "Start Here". The second row contains "Documentation & Video Catalogue" and "Introductory Videos & Documentation". The third row contains "Which RSP is for you? Product Family Information" and "Where's my order?". The fourth row contains "Help Desk Tickets" and "Community Help Forums and groups". The fifth row contains "Damaged your RSP? Repair Centres" and "Other Questions".

Welcome to Help

welcome2help2

| | |
|---|---|
|  <p>Get answers to your technical questions (route to raising a ticket for one-to-one technical support)</p> |  <p>New User? Guided Installation Walk through</p> |
|  <p>Documentation & Video Catalogue</p> |  <p>Basic Introduction to SDR & RSP1A Basic instructions for SDRuno</p> <p>Introductory Videos & Documentation</p> |
|  <p>Which RSP is for you? Product Family Information</p> |  <p>Where's my order?</p> |
|  <p>Check status of your help ticket</p> |  <p>Community Help Forums and groups</p> |
|  <p>Damaged your RSP? Repair Centres</p> |  <p>Other Questions</p> |

For more information:

Thank You!

- Company website: www.sdrplay.com
 - Check out the **Applications & Support Catalog** at:
<https://www.sdrplay.com/apps-catalogue/>
- Users Forum: <https://groups.io/g/SDRPlayUsers>
- Email: support-usa@sdrplay.com
- Facebook: [SDRplay](#) and [SDRuno](#) specifically
 - Independent groups run by enthusiastic users!
- **Where to purchase?**
 - Ham Radio Outlet (US): <https://www.hamradio.com>