

Introducing the RSPduo

The image displays a collage of SDR software interfaces and the RSPduo hardware unit. The software interfaces shown include SDR# (SDRRuno), SDR#, and SDRplay, all displaying various parameters such as frequency, signal strength, and spectrum analysis. The RSPduo hardware unit is a black box with two tuners, a USB connection, and various input/output ports. The unit is labeled "RSPduo Dual Tuner" and "SDRplay". The background features a large blue box with the text "Introducing the RSPduo".

SDRRuno MAIN

Final SR: 2000000
DUAL (M) IFBW: 1.536MHz (LIF)
Normal Mode Atten: 26dB
ADD VRX
DEL VRX
LO LOCK
STOP
MEM PAN
5/12/2018 11:54:53 AM Default Workspace

SDRRuno RX CONTROL

DEEMPH STEP: 1 kHz 125.459000 -134.1 dBm RMS
MODE AM SAM FM CW DSB LSB USB DIGITAL
VFO A QM FM MODE CW OP FILTER NB NOTCH
VFO B A > B NFM MFM CWPWK 6000 8000 NBW NCH1
VFO B B > A WFM SWFM ZAP 11K 20K NBN NCH2
QMS QMR CWAFC NR NBOFF NCH3
MUTE -84 dB AGC OFF FAST NCH4
SQLC VOLUME OFF FAST NCHL
VOLUME MED SLOW

SDRRuno MAIN SP

Span 2000 KHz FFT 8192 Pts RBW 244.14 Hz Marks 20 KH
125.459000
LO: 125360000
125535.573 KHz -105.4 dB

SDRRuno MEM. PANEL

Frequency S Mode Description
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SDRRuno MAIN

Final SR: 333333
DUAL (S) IFBW: 0.600MHz (LIF)
Atten: 26dB
ADD VRX
DEL VRX
LO LOCK
STOP
MEM PAN
5/12/2018 11:54:53 AM Default Workspace

SDRRuno RX CONTROL

DEEMPH STEP: 500 Hz 7.150000 -112.7 dBm RMS
MODE AM SAM FM CW DSB LSB USB DIGITAL
VFO A QM FM MODE CW OP FILTER NB NOTCH
VFO B A > B NFM MFM CWPWK 1800 2200 NBW NCH1
VFO B B > A WFM SWFM ZAP 2800 3000 NBN NCH2
QMS QMR CWAFC NR NBOFF NCH3
MUTE -84 dB AGC OFF FAST NCH4
SQLC VOLUME OFF FAST NCHL
VOLUME MED SLOW

SDRRuno MAIN SP

Span 12 KHz FFT 478 Pts RBW 12.55 Hz Marks 200 H
7.150000
LO: 7.150000

SDRRuno MEM. PANEL

Frequency S Mode Description
SDRplay

SDRRuno AUX SP

Span 12 KHz FFT 478 Pts RBW 12.55 Hz Marks 200 H
7.150000
LO: 7.150000

RSPduo Dual Tuner

SDRplay
Tuner 1
Tuner 2
HIGH Z
P N GND
50Ω
50Ω
BIAS1

Jon Hudson

Introducing the RSPduo



***The RSPduo is the
biggest change to SDR
since the RSP1***

RSP family of Full Featured Wideband SDR Receivers





10 MHz visibility

1 kHz

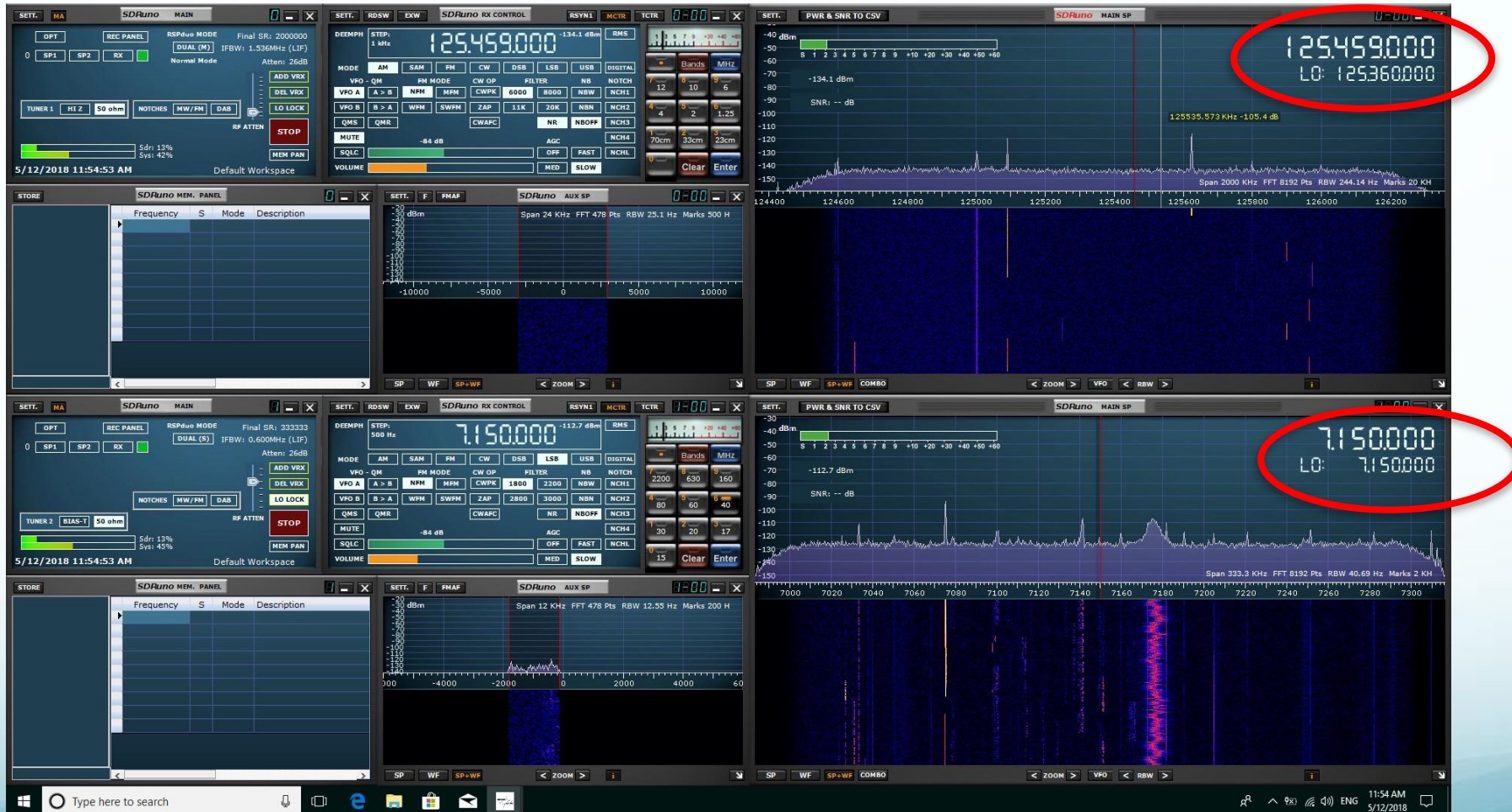


2 GHz

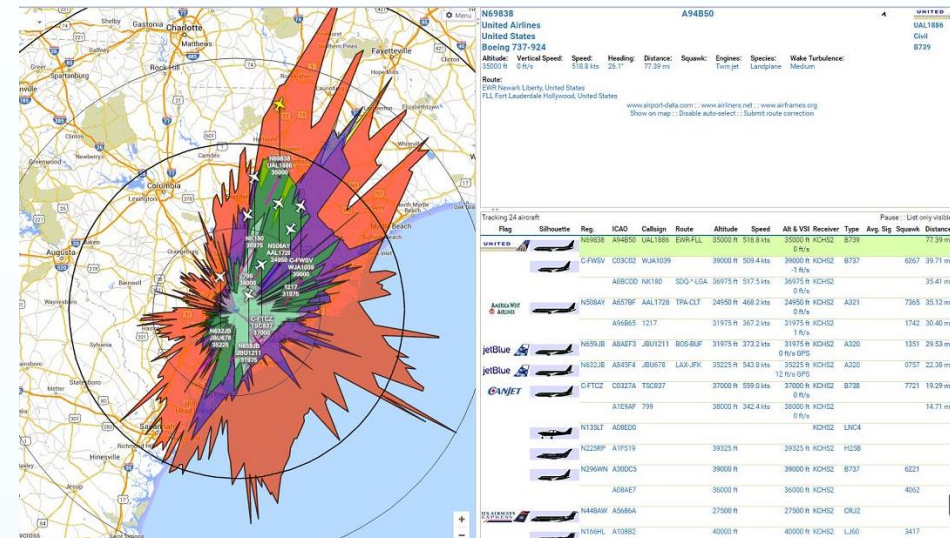
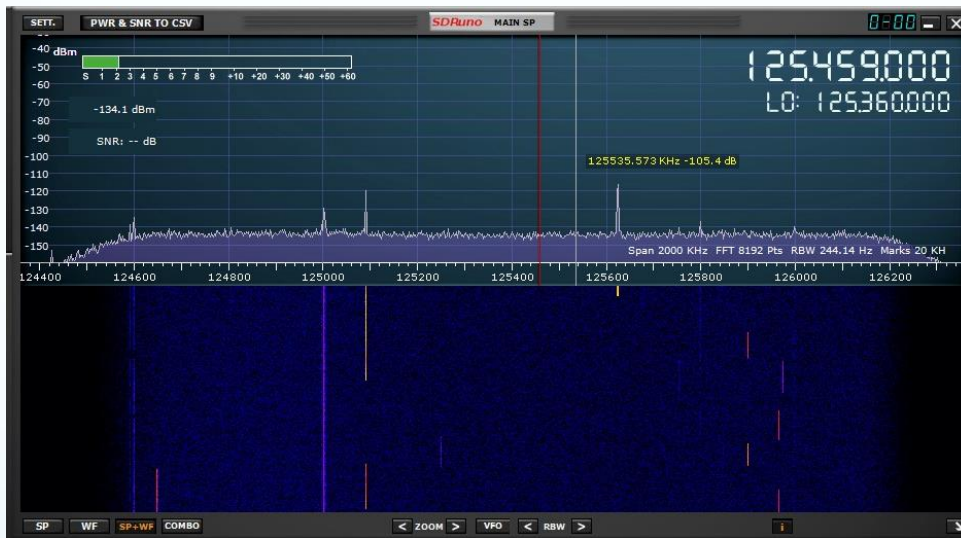
Dual independent tuners



Monitor two widely spaced bands



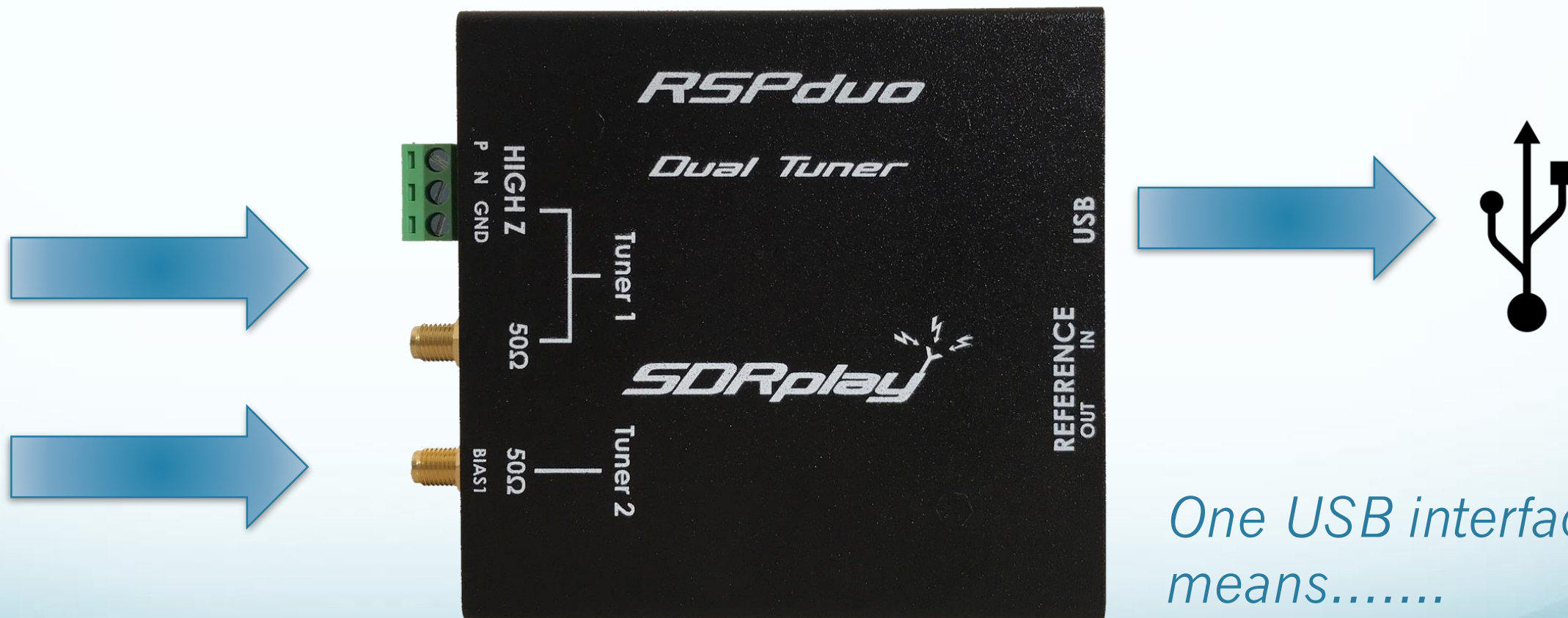
Mix and match applications, simultaneously



ATC

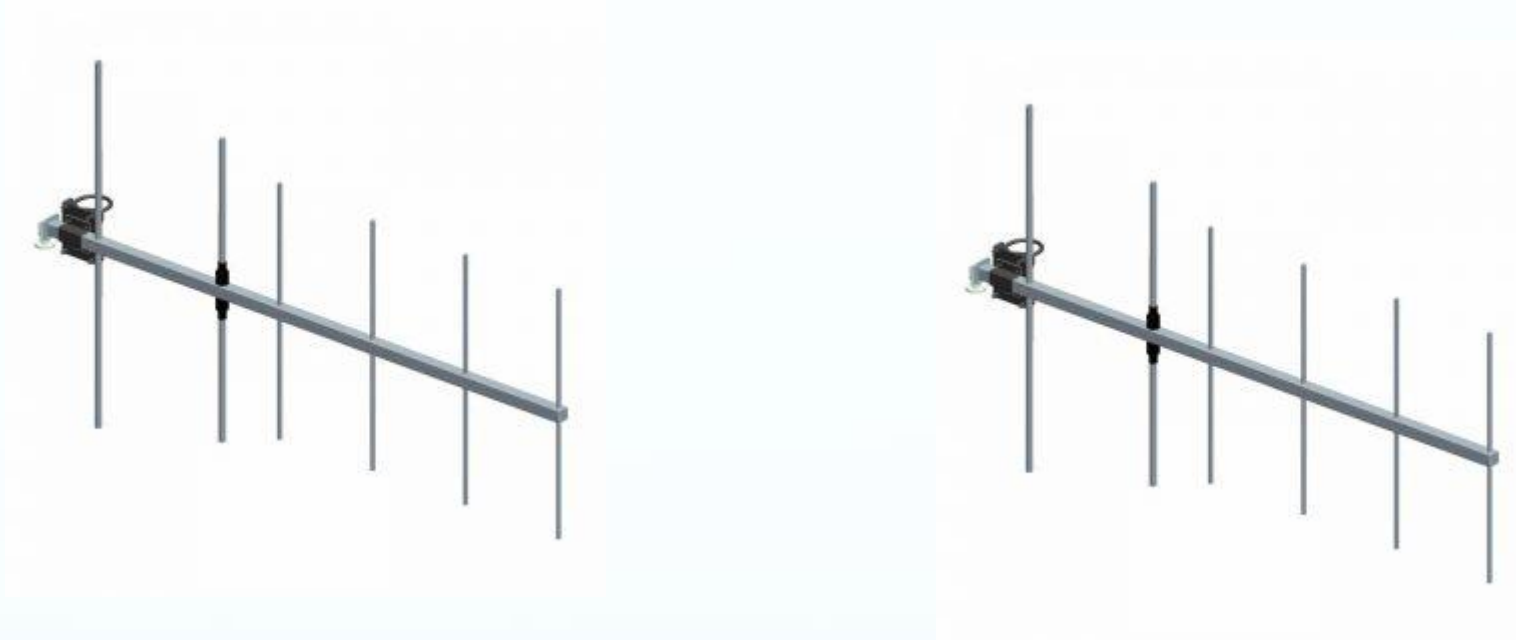
ADSB

Dual Tuners



One USB interface means.....

Phase and time coherent demodulation



Diversity Demodulation: Spatial, Frequency and Polarisation

Dual Tuners Plus.....

- 14-bit ADCs
- Redesigned front end filters
- Better Selectivity
- Increased Dynamic Range
- Outstanding performance in challenging reception conditions



The RSPDuo – Redefining SDR

The Price: \$279



Available direct from www.sdrplay.com
and our Channel Partners:



and our network of resellers:
<https://www.sdrplay.com/distributors/>

Come and see the RSPduo in action

The image displays the RSPduo software interface, showing various settings and frequency displays. The main window shows the RSPduo Dual Tuner interface, with a frequency display of 125.459000 MHz. The interface includes a menu bar (SETT., MA, RSPduo MODE, Final SR: 2000000, DUAL (M), IFBW: 1.536MHz (LIF), Atten: 26dB, ADD VRX, DEL VRX, LO LOCK, STOP, MEM PAN), a toolbar (TUNER 1, HI Z, 50 ohm, NOTCHES, MW/FM, DAB, Sdr: 13%, Sys: 42%, 5/12/2018 11:54:53 AM, Default Workspace), and a main display area with a frequency plot and a spectrum analyzer. The RSPduo hardware is shown in the bottom right corner, featuring a black box with gold connectors and a green terminal block. The hardware is labeled "RSPduo Dual Tuner" and "SDRplay". The bottom of the image shows a Windows taskbar with the search bar and system clock (11:54 AM, 5/12/2018).

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SDRplay

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