

# SDRplay



## RSPduo



11 Filters

Dual Tuner

Bias T

3 ANT  
Inputs

AM/FM  
Notch Filter

REF CLK  
IN/OUT

Diversity

When you double the receivers you double the fun and with the RSPduo the possibilities are endless. Want to dedicate a receiver for monitoring and still have one to play with, no problems, the RSPduo will support simultaneous band monitoring. Explore the real power with its built-in diversity function. Plagued by interference? use diversity to explore noise cancelling and drive those interferes away. Want to improve your VHF SNR? Then try using spatial diversity to give your SNR a boost beyond anything you can achieve with a single antenna. With a high impedance port and ability to connect in a direct wire you have the ultimate flexibility to create and experiment with your own long wire antenna designs. With the RSPduo you will capture everything and miss nothing.

1kHz - 2GHz Continuous frequency coverage

10MHz Visible Bandwidth in all network modes

Diversity Mode

14 Bit ADC Technology

MW, FM and DAB Notch Filters

4.7V @ 100mA software Bias-T

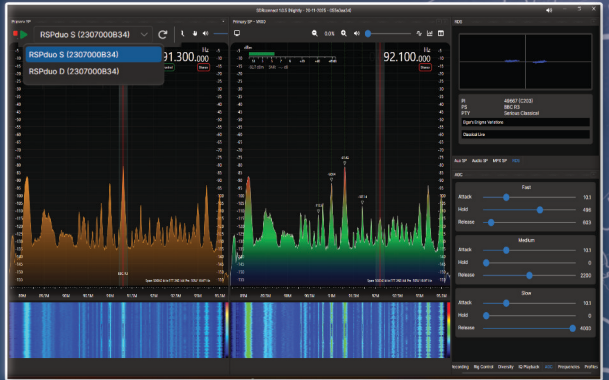
[www.sdrplay.com](http://www.sdrplay.com)



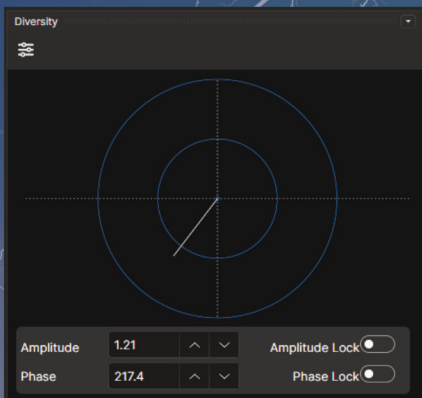
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## Single or Dual Tuner Modes

The RSPduo is a dual tuner device and so there are two possible operating modes. Single tuner mode, in this mode you have access to up to 10MHz bandwidth in the same manner as the standard RSP devices. Dual tuner mode, in this mode you have access to 2 x 2MHz spectral views that allow their frequency to be set independently anywhere within the operating range of the tuner.



## Diversity



Explore the power of two tuners with the diversity functionality of the RSPduo. By using two similar antennas spaced apart the signals can be combined to maximise the received SNR. Adjust how the signals are combined using the IQ diagram to optimise the receiver performance. It is also possible to explore noise cancellation. If you are suffering from interference you can use a local antenna to capture the interference and then cancel the interference from the wanted incoming signal. Just adjust the IQ diagram to achieve optimal cancellation.