

SDRplay TCP-driver for websdr.org usage

The information in this article was provided by Bas Heijermans bas@heppen.be and SDRplay has not verified the content. SDRplay cannot guarantee how well the application works. Our thanks to Bas for providing this information.

Bas reports that he has perfected his websdr.org RSP1A driver.

If you have questions, he is happy to be contacted via email or by going to:

https://github.com/ON5HB/rsp_tcp

Current options:

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> rsp_tcp, an I/Q spectrum server for SDRPlay receivers - modified by
> Bas ON5HB for websdr.org VERSION 1.0.0
>
> Usage:
>   -a listen address (default: 127.0.0.1)
>   -p listen port (default: 1234)
>   -d RSP device to use (default: 1, first found)
>   -P Antenna Port select* (0/1/2, default: 0, Port A)
>   -r Gain reduction (default: 32 / values 20 upto 59)
>   -L Low Noise Amplifier (default: 0 / values 0-9)
>   -T Bias-T enable* (default: disabled)
>   -D DAB Notch disable* (default: enabled)
>   -B Broadcast Notch disable* (default: enabled)
>   -R Refclk output enable* (default: disabled)
>   -f frequency to tune to [Hz] - If freq set centerfreq and progfreq
> is ignored!!
>   -s samplerate in [Hz] - If sample rate is set it will be ignored
> from client!!
>   -W wide bandfilters enable* (default: disabled)
>   -w wide digital filters enable* (default: disabled)
>   -A Auto Gain Control Setpoint (default: -34 / values 0 to -60)
>   -G Auto Gain Control Loop-bandwidth in Hz (default: 50 / values
> 0/5/50/100)
>   -n max number of linked list buffers to keep (default: 512)
>   -b Bit conversion to 8bit (13/14/15/16 default: 16)
>   -o Use decimate can give high CPU load (default:
> minimal-programmed / values 2/4/8/16/32 / 1 = auto-best)
>   -v Verbose output (debug) enable (default: disabled)
>
```

Other comments from Bas include:

"Supported sample-rates, tested no others work because websdr.org is limited:

> 64/96/128/192/384/512/768/1024/1536/2048/2880K

Maximum 3 boxes supported, above it they start to fight and stutter or kick each other of the USB-bus.

This also happens with e.g. 5 RTL-sticks....the BW in total becomes too big to handle by Linux without co-processor.

Used several CPU's including an i5-4440 (that I run now) it's the USB that craps out."

Sor more SDR-related apps notes and videos go to <https://www.sdrplay.com/apps-catalogue/>

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