

ExpertRC 1.3.0; ExpertRS 0.6.4 Release Notes

13 December 2018

Release description

ExpertRC 1.3.0 for MBI, SunSDR2 PRO, SunSDR2 QRP transceivers and ColibriDDC, ColibriNANO receivers working on Windows, Linux, macOS.

ExpertRS 0.6.4 for Windows and Linux PC.

The most significant additions and improvements in comparison to the April's release:

1. Added TX capability for the following modes: AM/SAM, DSB, SSB, CW, DIGL/DIGU,
2. Added VAC functionality (works only with DIGL/DIGU, if you've selected one of those modes and enabled VAC, then signal will be sourced from it, in all other cases will be used signal from mic input),
3. Added APF filter for SSB and CW,
4. Added DSE filter for CW,
5. Added DSP functions: BIN and NR,
6. **Line Out** module was updated with new functions (you can output sound in sound card or record it in wav/mp3 file),
7. Added Preamp control for all devices,
8. Added **Ext Ctrl** and **PA key** control,
9. Added BPF-kit control for ColibriDDC,
10. From now on you can manipulate CW-key connected to the E-Coder panel and via COM-port (CAT), also you can transmit CW macroses via TCI (BreakIn unavailable),
11. To lower monitoring latency while TXing with CW key on OS Windows, we recommend to use audio drivers WDM-KS or ASIO. Using OS Linux and macOS there are no latency issues. The lower the sound card buffer size, the lower the latency. While you TXing in CW we do not recommend to set latency higher than 256 samples,
12. Added client versions for Linux x64 (tested on Ubuntu 18.04 x64) and macOS (tested on Mojave),
13. GUI was slightly redesigned,
14. Corrected output power to normal level,

15. Added transfer of RX IQ-stream from ExpertRS to the ExpertRC. It'll allow you to transfer this IQ channel to third-party SW via TCI and VAC.
16. Now you can see assigned names for devices, in the client,
17. Now when you select a certain mode type, it'll hide unusable controls, for WFM and DRM TX controls are completely hidden,
18. Improved stability of program operation.

Known issues

1. Lack of NFM mode,
2. It's possible to operate in digital modes like FT8, WSPR, WSJT **only** if the latency in the ExpertRemote system does not exceed allowed latency for a certain mode type.

Useful documents

[MB1 User Manual 1.2.0](#)

[User Manual Addendum 5.2, by Erik EI4KF](#)

[SunSDR2 PRO User Manual v1.5](#)

[SunSDR2 QRP User Manual v1.1](#)

[ColibriDDC User Manual v1.2](#)

[ColibriNANO User Manual v1.1](#)

[Expert Remote User Manual](#)

Technical Support

If you have some questions using the ExpertSDR2 or need help, you may ask your question on the [Forum](#) or contact us via the technical support form on our [web-site](#).

Hours of operation: Our technical support engineers are available Monday-Friday from 7:00 – 16:00 UTC. If you need a remote session, we should discuss it beforehand, usual time Monday-Friday from 12:00 – 15:00 UTC.

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