

ExpertSDR2 1.3.0 Beta2 Release Notes

31 May 2019

Release description

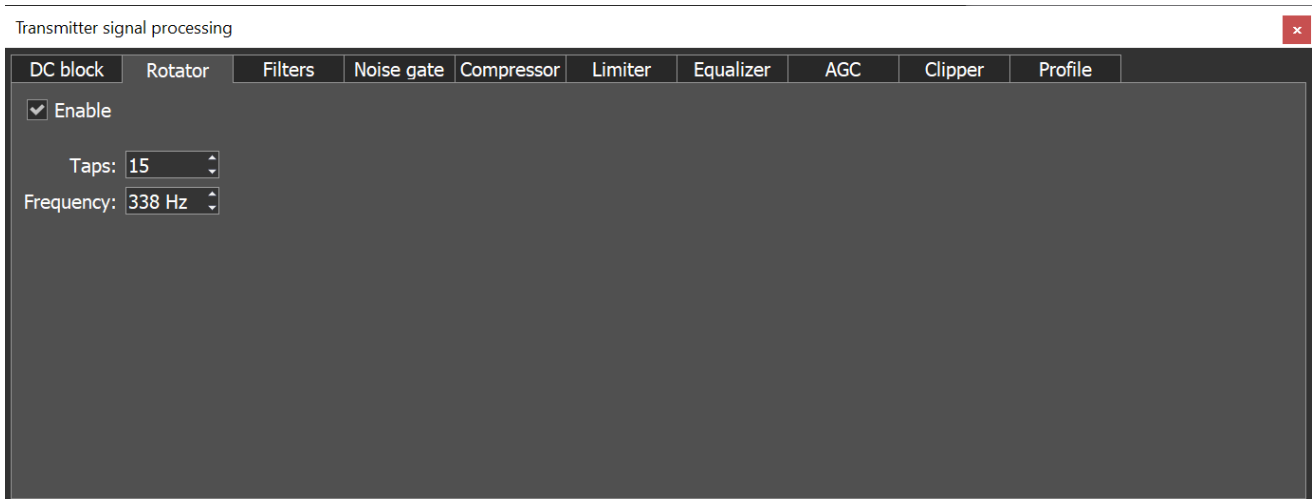
ExpertSDR2 1.3.0 Beta2 for SunSDR2 PRO, SunSDR2 QRP and MBI transceivers, ColibriDDC and ColibriNANO receivers.

The purpose of **ALPHA/BETA/RC** versions of the software is to collect user's feedback on the new features and to locate possible issues which could be missed while internal testing.

An **ALPHA/BETA/RC** version may have bugs, which will be fixed in further software releases. Nevertheless, we recommend updating to the latest version of the software since it contains not only new features, but also bug fixes and improvements that you most definitely will find useful. If you prefer to skip the software release with possible bugs in it, we respect your decision.

General changes:

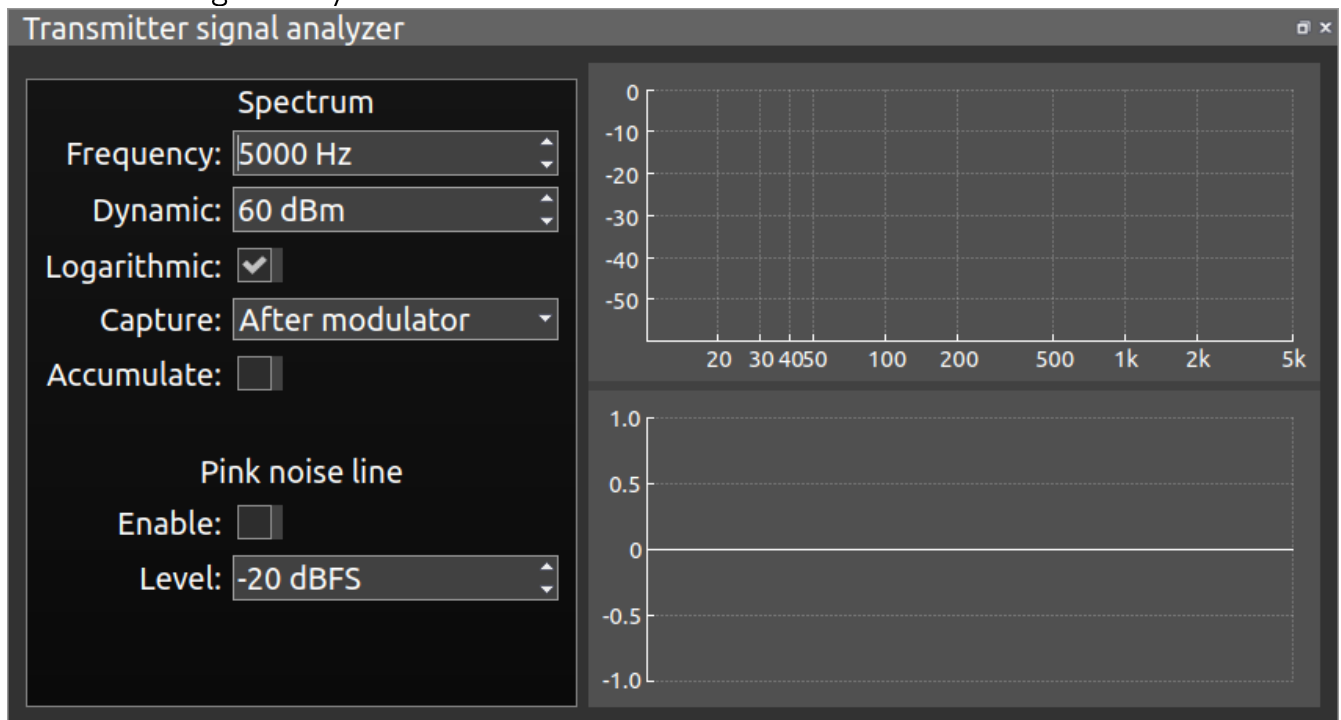
- New additions in PROC module:
 - Phase Rotator



Taps – amount of phase rotators (stages)

Frequency – frequencies below will change the phase

- Transmitter signal analyzer



Frequency – top limit of the horizontal (frequency) scale of the transmitter

Dynamic – vertical scale (dynamic range)

Logarithmic – allows you to change the ratio of the **Frequency** scale, making it either linear (by default) or logarithmic

Capture (before modulator or after modulator) – select where you want to capture TX signal, before or after modulator

Accumulate – add a line showing peak values during the time of analysis

Pink noise line (Enable) – enable the pink line showing the energy spread by frequency

Level – pink noise line level

Bug fixes:

- If recorder makes a recording with (+1, 0, -1) level then pressing the MOX sends a tone signal
- If you've been scanning (filter moves with momentum) and at that moment switched bands, filter still moved
- Antenna switch issue: switching from 6M to 20M resulted in no RX
- Incorrect operation of APF in MB1
- Voice recorder couldn't record in RX mode
- Fixed a bug when synching with JTDX via CAT had a bug

- MIXER window scaling
- Fixed a bug when synching with OmniRig.
- Fixed a bug in ExpertSync
- Fixed an issue with the launch of SunSDR2 QRP
- Incorrect synching between RX and TX frequencies in FT8
- MIC indicator issue
- Incorrect monitoring in digital modes from TRX's phone output
- "Always enable MON" didn't work
- MIC gain slider added gain using VAC in FM modes and PTT from external sources
- Lock VFO bug
- ColibriDDC didn't work in DHCP modes – we released a new firmware, version 7

Known issues

- Waterfall issue – with high spectrum resolution and squeezed panorama, thin width stations (like CW) might not be displayed
- RX2 BreakIn does not work
- If you detach BandScope from the main software window and then attach it back, text on the panorama becomes unreadable
- macOS version of ExpertSDR2 for SunSDR2 PRO and SunSDR2 QRP closes incorrectly (but all the settings are stored OK)
- Text in the Options window may be squeezed in some menus
- Ext reference cannot be used in MBI, SunSDR2 QRP (firmware issue)
- ColibriNANO may not operate properly with high sample rate values (mainly on macOS devices) (firmware issue)

Tips for smooth ExpertSDR2 installation

Before the upgrade of the ExpertSDR2, always backup your current ExpertSDR2 folder (it contains your settings and Profile files), which is placed here
C:\Users\UserName\AppData\Local\Expert Electronics\ExpertSDR2.

Before installing the ExpertSDR2 shut down all running ExpertSDR2 instances.

You don't have to uninstall the older ExpertSDR2 version before installing the new one.

If you want to downgrade the ExpertSDR2 you need to uninstall the current version and then install the older one.

Useful documents

[MB1 User Manual v1.2.0](#)

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

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

[ColibriDDC User Manual v1.2](#)

[ColibriNANO User Manual v1.1](#)

[ExpertSDR2 User Manual Addendum, by Erik EI4KF](#)

[Expert Remote User Manual](#)

Technical Support

If you've experienced any issues using the ExpertSDR2 or need any 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.

Copyrights

© 2009-2019 Expert Electronics. All rights reserved.

Expert Electronics
Polyakovskoe schosse, 16-3, ABK-1, off. 408
Taganrog, Rostov region, Russia, 347927
+7 (938) 119-77-37
<https://eesdr.com/en/>