



RF Explorer[®] SERIES

Spectrum Analyzer PLUS Firmware Version 3.10

Cumulative Release Notes

RF Explorer is an affordable Handheld Spectrum Analyzer with a growing list of features.

*This little powerful unit is the tool you need
to reduce the implementation time and cost
of your next wireless project.*

This Release Notes document is complementary to the RF Explorer User Manual, [available online](#).



Please consider the environment before printing this document.

Firmware Upgrade Instructions

This firmware is only compatible with RF Explorer WSUB1G PLUS model.

To upload this firmware, you must use the Uploader tool included in this software package. Firmware upgrade is a safe, simple process that can be repeated many times if something goes wrong.

You can update firmware using Windows, Linux or MacOS X operating systems.

For more details on how to upload firmware into your device, please visit online guide:

www.rf-explorer.com/upgrade

Firmware upgrade troubleshooting:

Note: If the unit completes upgrade and remains on screen with "S/N Init..." message, please wait a few seconds to complete the upgrade.

Check in the CONFIG MENU of the RF Explorer device it is configured for 500Kbps or 2400bps same as you select in Firmware Update tool.

If fails after a couple of attempts, then please contact us at contact@rf-explorer.com and provide us with:

- File RFEplorer_Uploader.log available in the <My Documents> folder of your computer.
- Operating System version and confirmation you are connecting directly to USB port on your computer, not an intermediate USB hub.

If the problem persist, you can overcome this step by pressing ENTER when a small message shows up with <Press ENTER to Stop> next to "S/N Init..." on screen.

Version 3.10

Release date: CEST April 08, 2019

Enhancements:

- Compatible with RFVenue Vantage v2.0
- Improved High Resolution mode scan speed.
- Added flexible command mode support to improve response in High Resolution mode.
- Tracking SNA speed improved, in most scenarios the tracking is now 300% faster than in previous version. The faster speed is a great improvement to get a closer to real-time tracking SNA response.
- Improved battery level charge and calibration algorithm
- Added support for RFEM2.4G PLUS expansion board
- Added RF Generator support for RFEM2.4G standard and RFEM2.4G PLUS expansion boards
- Added Wifi Analyzer support for RFEM2.4G standard and RFEM2.4G PLUS expansion boards
- Internal USB communication buffer is now reset when using RETURN button in the Spectrum Analyzer screen. If the unit becomes unresponsive when connected to a computer, you can try using the RETURN button rather than disconnect/reconnect step.

Version 3.06

Release date: CEST May 18, 2018

Enhancements:

- Added full support for **RF Explorer Preset Manager**, check www.rf-explorer.com/preset for more details.



- **Preset screen now includes Frequency range:** when an active preset with data stored is selected, the last line of the screen shows the Start/Stop frequency range of the preset, to help on determining the specific preset configuration before loading it. This line will be blank if an empty preset is selected.
- **Support for RFEMWSUB3G and RFEM24G expansion boards:** The RF Explorer Plus model can now work with standard expansion boards. Connectors are different but compatible, please make sure to follow instructions as documented in www.rf-explorer.com/expansion before assembling an expansion board.

Version 3.05

Release date: CET Mar 13, 2018

Enhancements:

- Added features to import/export Preset definitions from a connected computer. This feature is required by a RF Explorer for Windows and special multi-platform Preset tool being released in 2018.

Fixes:

- Fixed internal ADC battery calibration problem. Original firmware released from factory may include adjustment problems incorrectly reported the battery level to be 65% where it should be 100%.

Version 3.03

Release date: CET Oct 10, 2017

Fixes:

- Fixed numerical limits in ATTENUATOR MENU. Before this fix, some large OffsetDB values may produce unexpected results on menu values for Top and Bottom dBm.

Disclaimer

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For more info on RF Explorer, please visit www.rf-explorer.com

For instructions to upload this new firmware in your RF Explorer unit, please visit online documentation at www.rf-explorer.com/upgrade .

Some of these new features documented below may not be available in the user manual until a final release is published. For questions, please go to RF Explorer forum at www.rf-explorer.com/forum .

Some of these notes may refer to beta versions. They have been thoroughly tested, but they may not pass all formal review and regression test of a final version. You should not install a beta firmware if you are not comfortable with occasional bugs or risk of losing data.

Final release versions pass a full set of test cases and formal review process to minimize the risk of any issue.

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