



## RF Explorer ISM Combo PLUS



RF Explorer ISM COMBO+ is a powerful, high performance digital spectrum analyzer covering the 1GHz frequency range starting at 50KHz, and 2.35GHz to 2.55GHz for scanning the popular 2.4GHz band.

The new SLIM design offers an outstanding robust enclosure, a more convenient USB connector on the side and larger internal battery capacity.

Compared to the baseline ISM COMBO model, the new PLUS includes a higher frequency range in the sub-1GHz band, more sensitivity and higher RF Generator power output in the 2.4GHz band.

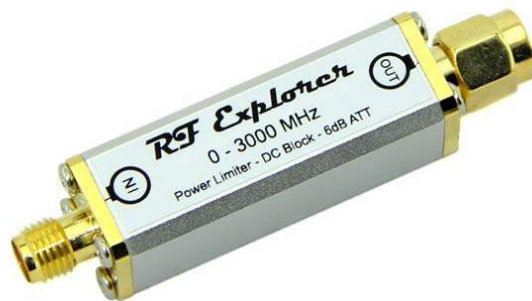
### Features

- Internal LNA amplifier and selectable attenuator in the sub-1GHz band.
- Low frequency support from 50KHz covering LF, MF, HF, VHF and UHF up to 960Mhz
- High frequency support for 2.4GHz band starting at 2.35GHz and covering up to 2.55GHz.
- New HELP and SET buttons to improve user interface and configuration selection with 2-clicks
- Excellent performance to diagnose and generate signals in the 2.4GHz ISM band.

- Wide band coverage to all popular sub-1Ghz bands, including FM, TV and DTV, ISM, RFID, GSM, etc.
- Ideal choice for HAM bands from 160meters to 33cm.
- Pocket size and light weight
- Solid metal case
- Spectrum Analyzer mode with Peak Max and Hold, Normal, Overwrite and Averaging modes
- High capacity internal Lithium battery for 20hs+ of continuous run, rechargeable by USB
- Multi-platform Windows/Linux/MacOS Open Source software and API libraries

## Specification

- Frequency band:
  - Left connector: 0.05 – 960MHz
  - Right connector: 2350 – 2550MHz
- Frequency span:
  - Left connector: 0.1 – 960MHz
  - Right connector: 2 – 85MHz
- Internal selectable LNA 25dB gain with the left connector
- Internal selectable Attenuator 30dB with the left connector
- Signal generator covering up to +11dBm output power with the right connector.
- Wifi Analyzer for the 2.4GHz band
- Graphics LCD 128x64 pixels, great visibility outdoors
- Support included for Windows, Linux and MacOS X
- Backlight for great visibility indoor
- Internal Lithium Ion 1800mA/h rechargeable battery
- Standard SMA 50 ohms connector
- Wideband 144/433MHz dual band telescopic antenna included
- UHF 400-900MHz rubber duck articulated antenna included
- 2.4GHz whip antenna included
- Amplitude resolution: 0.5dBm
- Dynamic range: -125dBm to 10dBm
- Absolute Max input power: +30dBm
- Average noise level (typical LNA): -125dBm
- Frequency stability and accuracy (typical): +-10ppm
- Amplitude stability and accuracy (typical): +-2dBm
- Frequency resolution: 1Khz
- Resolution bandwidth (RBW): automatic 2.6Khz to 600Khz



Note: RF Explorer is a very sensitive spectrum analyzer, specially designed to detect signals with aerial antenna. For extra protection when connecting the analyzer to a signal source with a coaxial cable, we suggest using a RF Explorer Power Limiter. More details at [www.rf-explorer.com/PLIMITER](http://www.rf-explorer.com/PLIMITER)

## Part List

- 1 x Spectrum Analyzer
- 1 x Mini USB cable
- 1 x Dual band 144/430MHz Telescopic antenna
- 1 x UHF 400-900Mhz antenna
- 1 x 2.4GHz whip antenna
- 1 x EVA case

<http://j3.rf-explorer.com/60-rfe/specifications/227-rf-explorer-ism-combo-plus>

<https://www.seeedstudio.com/RF-Explorer-ISM-Combo-PLUS-Slim-p-4162.html/9-16-19>