



RF Explorer 6G Combo PLUS - Slim Spectrum Analyzers

SKU 114992145



[4 Reviews](#)

RF Explorer 6G COMBO+ is the most powerful Spectrum Analyzer model, covering the full 6GHz range starting at 50KHz up to 6.1GHz with no gaps or limitations. When compared to the standard 6G Combo model, the new SLIM design offers an outstanding robust enclosure with a strong metallic body and shiny varnished paint, a more convenient USB connector on the side, and a larger internal battery capacity.

5 In Stock

1 Ships Now

PRODUCT DETAILS

Features

- Internal LNA amplifier and selectable attenuator for additional power range handling.
- Low-frequency support from 50KHz covering LF, MF, HF, VHF, and UHF
- High-frequency support covering all ranges up to 6.1GHz with no gaps.
- New HELP and SET buttons to improve user interface and PRESET configuration selection with 2-clicks
- Ideal choice for all usable HAM bands.
- Pocket size and lightweight
- Solid metal case with high-quality varnished paint
- Spectrum Analyzer mode with Peak Max and Hold, Normal, Overwrite and Averaging modes
- High capacity internal Lithium battery for 10h+ of continuous run, rechargeable by USB
- Multi-platform Windows/Linux/MacOS Open Source software and API libraries

Description

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What is an RF Explorer Spectrum Analyzer?

An RF Explorer Spectrum Analyzer is a special device designed to detect very sensitive signal radiation and identify signal interference, tune antenna setups, detect signal leakage and find hidden bugs, among many other applications.

The combination of small size, great sensitivity, and robust design makes it the ideal instrument to carry on for indoor and outdoor measurements.

When connected to a computer, it can be controlled by free software available for download with stunning high-resolution graphics, data storage, and reply features.



How RF Explorer Works?

For introductory details and quick start guide, please visit www.rf-explorer.com/start

For best handling work at the desk, we recommend the [RF Explorer Holder SLIM](#)



For best results detecting near field signal sources or interferences, we recommend the [RF Explorer Near Field Antenna Kit](#)



Tip
To learn more about the RF Explorer product family, don't forget to check our blog [Introducing RF Explorer Spectrum Analyzer Product Family](#).

Specifications

- Frequency band:
 - Left connector: 0.05 - 960MHz
 - Right connector: 240 - 6100MHz
- Frequency span in a single sweep: 2 - 960MHz
- Internal selectable LNA 25dB gain
- Internal selectable Attenuators 30dB and 60dB
- Wifi Analyzer for the 2.4GHz and 5GHz bands
- Graphics LCD 128x64 pixels, great visibility outdoors
- Backlight for great visibility indoor
- Internal Lithium-Ion 1800mAh rechargeable battery
- Standard SMA 50 ohms connectors
- Wideband 144/433MHz dual band telescopic antenna included
- UHF 400-900MHz rubber duck articulated antenna included
- 2.4/5GHz dual-band 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): +1.0ppm
- Amplitude stability and accuracy (typical): +3dBm
- Frequency resolution: 1KHz
- Resolution bandwidth (RBW): automatic 2.6KHz to 600KHz
- Support included for Windows, Linux and MacOS X

Applications

- RF Spectrum Analysis for FM, TV and DTV, ISM, RFID, GSM, 4G/5G, IoT, GPS, Bluetooth
- WiFi analysis and fine-tuning
- Interference hunting
- EMC pre-testing
- RF device tuning (with Signal Generator working as Tracking SNA): Check [this link](#) for more details

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 Dual band 5/2.4GHz antenna
- 1 x EVA case

Compliance

All RF Explorer models are compliant with FCC as well as CE regulations.
All RF Explorer Wideband models have been certified under EN/IEC61236 and EN/IEC61000.
All RF Explorer models are RoHS compliant

ECCN/HTS

HSCODE	9030401000
USHSCODE	9030400000
UPC	
CE	1

LEARN AND DOCUMENTS

Documentations

- [\[Attachment\] Specifications](#)
- [\[Attachment\] Getting Started](#)
- [\[Attachment\] Software Options](#)
- [\[Attachment\] Downloads](#)
- [\[Attachment\] Articles and FAQ](#)

Learn

- [Documentation] Full comparison of RF Explorer: Find the Right RF Explorer for Your Wireless Project**
The official introduction of all RF Explorer models. A Comparison chart is also included.
- [Documentation] RF Explorer Articles and FAQ**
Official articles and FAQ collection. Our RF specialist have prepared the answer for all questions you might have!
- [Documentation] Getting Started with RF Explorer Spectrum Analyzer**
On this starting page, you can get everything you need to get your Spectrum Analyzer up and running. All documents, software downloads, and firmware upgrade details are available.
- [Project] RF Explorer 6G widespan 600MHz demo**
This is a brief demo, simple display of RF Explorer for Windows tool working at 6GHz with a variable span up to 600MHz
- [Blog] Introducing RF Explorer Spectrum Analyzer Product Family**
This blog talks about what is an RF Explorer Spectrum Analyzer, the RF Explorer Spectrum analyzer Product Family, and a comparison of different models.
- [Others] RF Explorer Youtube Channel**
You can find helpful videos on this youtube channel to get started with your RF Explorer!
- [Others] RF Explorer Facebook Page**
The official Facebook Page of RF Explorer. You can stay up to date with the guides posting on the RF Explorer Facebook page.

SHARED BY USERS

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REVIEWS

Only registered users can write reviews. Please [Sign In](#) or [create an account](#)

- ★★★★★ **Very handy little device**

Find this little device handy and useful as a wireless engineer. I no longer need to carry my laptop while walking around! Considering buying the WSUB1G version as well.

By Robert 9/21/20
- ★★★★★ **Nice unit for this price.**

It provides high quality spectrum info especially considering its price. The only shortage is the tiny screen. (You can also connect it to a PC so you can have better view, but in that case I will advice you buy a holder as well). Nice unit for this price.

By Eric2014 9/18/20
- ★★★★★ **Tiny but sturdy**

Tiny but sturdy. It is not easy to keep the device straight up when connecting to PC so I bought the RF Explorer Holder together. Nothing to complain considering its high cost-performances.

By takkei 9/18/20
- ★★★★★ **The best product for its price**

The build quality was great and is easy to use if you have RF experience. I tested it few times and so far so well. The accuracy is reasonable for simple measurements. A great little device

By David Bessler 9/17/20

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