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## RF Explorer 6G Combo

SKU 109990063



★★★★★ [Read all 2 reviews](#)

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### Description



RF Explorer is a handheld digital spectrum analyzer, a very affordable tool for work in all popular frequency bands. It is based on a highly integrated frequency synthesizer and double-balanced mixer which offers high performance, compact size, low consumption and low cost. It has been designed to be used equally well indoor and outdoor, and can be connected to a PC for extra functionality using standard mini-USB 2.0 connector.

This model includes a 6G baseline unit plus an RFEMWSUB3G Expansion Module conveniently assembled and tested. It comes with two SMA connectors and three antennas: a nice Nagoya NA773 wideband telescopic antenna for all Sub-GHz frequencies, a rubber duck 5.8 GHz and a whip helical for 2.4GHz band. Additional, specific band antennas may be needed to cover efficiently some of the frequencies supported.

The combination of these two models offer coverage for most used communication frequency range used in modern communication technologies including WiFi, Bluetooth, Wireless Audio and Video, LTE, GSM, GPRS, Satellite, CATV, DTV, etc.

### Features

- Pocket size and light weight
- Solid aluminum metal case
- Includes a transport EVA carry case for RF Explorer
- Spectrum Analyzer mode with Peak Max and Hold, Normal, Overwrite and Averaging modes
- Lifetime free firmware upgrades available, open to community requested features
- High capacity Lipo for 16hs+ of continuous run, rechargeable by USB
- Windows PC client Open Source
- Wide band coverage to all popular RF frequencies, starting at 15MHz and going up to 2.7GHz, as well as 4.85-6.1GHz. This includes very interesting frequency areas such as 2m HAM radio, all VHF and UHF, FM radio, GPS, WiFi and WiMax, Bluetooth, etc.
- Firmware: RF Explorer 6G Combo is delivered with upgraded firmware v1.12. Note some of

revisions.

**Note this unit does not include RF Generator functionality, only Spectrum Analyzer functionality is available. For signal generator and tracking please consider RF Explorer Signal Generator model RFE6GEN.**

## Specification

- Frequency band: 15-2700 MHz and 4850-6100MHz
- Frequency span:
  - Left SMA port (6G): 2-600Mhz
  - Right SMA port (WSUB3G): 112KHz - 600MHz
- Graphics LCD 128x64 pixels, great visibility outdoors
- PC Windows client supports Windows XP/Vista/Win7 both 32 and 64bits
- Backlight for great indoor visibility
- 2 standard SMA 50 ohms Spectrum Analyzer connectors:
  - Left SMA port (6G): 4850-6100MHz
  - Right SMA port (WSUB3G): 15-2700 MHz
- Amplitude resolution: 0.5dBm
- Dynamic range:
  - Left SMA port (6G): -105dBm to -15dBm
  - Right SMA port (WSUB3G): -110dBm to -10dBm
- Absolute Max input power:
  - Left SMA port (6G): +25dBm
  - Right SMA port (WSUB3G): +30dBm
- Average noise level (typical): -105dBm
- Frequency stability and accuracy (typical):
  - Left SMA port (6G): +0.5ppm
  - Right SMA port (WSUB3G): +-10ppm
- Amplitude stability and accuracy (typical):
  - Left SMA port (6G): +-3dBm
  - Right SMA port (WSUB3G): +-6dBm
- Frequency resolution: 1Khz
- Resolution bandwidth (RBW):
  - Left SMA port (6G): automatic 58Khz to 812Khz
  - Right SMA port (WSUB3G): automatic 3Khz to 600Khz
- Size: 113x70x25mm

## Techsupport

This product is designed by RF-Explorer,

For more info and to get started with your RF Explorer, visit the [start page](#).

If you encounter any problems when using this product, please contact

[rfexplorer\(at\)arocholl.com](mailto:rfexplorer(at)arocholl.com) for the technical support.

For the software for RF Explorer series, please click the following logo for more information:

**RF Explorer®**  
**Software Compatible**

## Best-sellers



RF Explorer Signal Genera...



RF Explorer Protection Bo...



RF Explorer Protection Bo...



6GHz 2W SMA Attenuator ...

## Technical Details

|         |   |
|---------|---|
| Weight  | G.W 387g  |
| Battery | Lithium Cells / Batteries contained in equipment UN3481 - PI967 |

### Reviews

#### ★★★★★ Field strength Meter or Explorer

If you are working on RF i recommend one of this too. you can check the strength of the transmitters you built.

Dec 08,2016 by [ismailkhalid](#) Qatar

Was this review helpful? 1

#### ★★★★★ Worth the money

I have to learn to know it better, but I think the 6G is worth the money.

Nov 27,2016 by [dirk.de.win1](#) Belgium

Was this review helpful? 1

### Questions and Answers

Have a question about this? Ask people who own it.



### View History

|  |  |   |   |
|--|--|---|---|
| <br>Mini vibration motor | <br>Gear (reduction) motor p... | <br>3.6V Micro hydro generator | <br>RF Explorer - 868M |
|--|--|---|---|

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