



RF Explorer - 3G Combo

SKU 109990009

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- 1 +

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This product contains battery, might apply to shipping restriction.

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 outdoor and indoor, and can be connected to a PC for extra functionality using standard mini-USB 2.0 connector.

This model includes a WSUB1G baseline unit plus an RFEMWSUB3G Expansion Module conveniently assembled and tested. It comes with two SMA connectors and two antennas, a nice Nagoya NA-773 wideband telescopic antenna for all Sub-GHz frequencies 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 the wide band coverage of the WSUB3G module, together with the highest sensitivity and quick response of the WSUB1G model for the popular sub-1GHz frequencies.

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
- Can be extended with internal Expansion Modules for additional band and functionality
- Wide band coverage to all popular RF frequencies, starting at 15MHz and going up to 2.7GHz. This include very interesting frequency areas such as 2m HAM radio, all VHF and UHF, FM radio, GPS, WiFi and WiMax, Bluetooth, etc.
- Firmware: RF Explorer 3G Combo is delivered with upgraded firmware v1.09. Note some of the features and operation accuracy will be improved in upcoming lifetime free firmware revisions.

Note

This unit does not include RF Generator functionality, only Spectrum Analyzer functionality is available.

Specification

- Frequency band: 15-2700 MHz
- Frequency span: 112KHz - 600MHz
- Graphics LCD 128x64 pixels, great visibility outdoors
- PC Windows client supports Windows XP/Vista/Win7 both 32 and 64bits

- 2 standard SMA 50 ohms connector, one for Sub-GHz wideband Nagoya NA-773 telescopic antenna included and another 2.4GHz zone for 15-2700 MHz band with helical antenna included.

- Amplitude resolution: 0.5dBm
- Dynamic range:
 - Left SMA port (WSUB1G): -115dBm to 0dBm
 - Right SMA port (WSUB3G): -110dBm to -10dBm
- Absolute Max input power:
 - Left SMA port (WSUB1G): +5dBm
 - Right SMA port (WSUB3G): +30dBm
- Average noise level (typical): -110dBm
- Frequency stability and accuracy (typical): +-10ppm
- Amplitude stability and accuracy (typical): +-6dBm
- Frequency resolution: 1Khz
- Resolution bandwidth (RBW): automatic 3Khz to 600Khz
- Weight: 185g
- Size: 113x70x25 mm

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@arocholl.com for the technical support.

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



Best-sellers



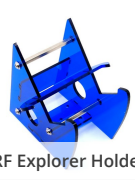
EVA carrying case for 3G C...



Power Limiter



RF Explorer Signal Genera...



RF Explorer Holder

Technical Details

Weight	G.W 372g
Battery	Lithium Cells / Batteries contained in equipment UN3481 - PI967

Documents

- [Wiki](#)

Questions and Answers

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

1

Good quality product! Fast service! Friendly staff – always can help you if any problems! Much cheaper than other companies! Recommended to deal with! Vitaliy from Australia

Vitaliy Zamsha on Oct 19,2016

Reply |
upvote (1)

0

Wondering what this item is based on?

Richard Sloan on Oct 19,2016

Reply |
upvote (0)

Interesting.... I am not sure what I am missing the RFM22 looks like a 433Mhz board, how does this measure all the way to 2.7G?

Richard Sloan on Oct 20,2016 10:46 AM

Reply |
upvote (0)

0

Is there a version, either available now or in the near future, that encompasses a HD color screen, perhaps with multiple markers?

Paul Scott on Oct 19,2016

Reply |
upvote (0)

Multiple markers will be available in a future firmware upgrade in the current model offering. But anyway yes, there may be a color screen unit in the future as well.

Ariel Rocholl on Oct 20,2016 10:45 AM

Reply |
upvote (0)

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