RigExpert

Antenna & Cable Analyzers
Transceiver Interfaces
ARDF Equipment
HAM Radio Software

CATALOG
SPRING / SUMMER 2018

RigExpert

Every job needs the right tool

Rig Expert Ukraine Ltd., founded in 2003 by four Ukrainian HAM Radio operators (left to right, on the photo below) Sergei Litvinov (UX1UA), Mykola Fedosyeyev (UT2UZ), Denys Nechytailov (UR8US, now the CEO of the company) and Victor Tkachenko (UT1UA).

Currently Rig Expert Ukraine Ltd. employs 30 professionals in R&D, manufacturing, sales & marketing, logistics and administration departments. Most of them are licensed and active HAMs.

Over the years Rig Expert Ukraine Ltd. became a well-known brand and recognized leader in development, production and global sales of antenna analyzers, transceiver interfaces, ARDF equipment and amateur radio software. RigExpert products are being exported to more than 30 countries. Based on sales information, our devices are used in more than 150 countries worldwide.

The RigExpert trademark is registered in Ukraine and in the USA as well.

Key milestones:

2003 — Founding of the **Rig Expert Ukraine Ltd**. The first USB controlled transceiver interface, **RigExpert** (later renamed to **RigExpert S/D**) was presented to the amateur radio community.
2004 — **RigExpert Tiny**, a second model of USB transceiver interface, which was simpler and more functional than RigExpert S/D, went into production.
2005 — **RigExpert Plus**, a revolutionary USB transceiver interface with built-in WinKey CW keyer, optical audio input and output was developed and introduced to the market. You may find many of them still in use by top Ham Radio operators, many years after their manufacturing has been discontinued.
2006 — **RigExpert Standard** transceiver interface was released. Its popularity was so high, that Rig Expert Ukraine Ltd. manufactured it for more than 10 years!
2007–2008 — **RigExpert AA-200** and **AA-500**, without a doubt, revolutionary antenna analyzers with USB port made a real game-changing appearance on the market and gained immediate interest of the RF professionals and HAMs.
2009 — **RigExpert AA-230**, **AA-230PRO** (which later became a bestseller!) and **AA-520** — a new range of antenna analyzers were designed.
2010 — **RigExpert AA-30** and **AA-54**, inexpensive antenna analyzers and new transceiver interface, **TI-5** were added to the line of RigExpert products. AA-54 is still a best-selling antenna analyzer with nearly 10,000 units sold worldwide.
2012–2013 — **RigExpert AA-600** (another bestseller!), **AA-1000** and **AA-1400** — new range of antenna analyzers were designed. These analyzers are still very popular, especially among RF professionals. **RigExpert IT-24**, an ISM-band 2.4 GHz tester expanded the use of RigExpert products to a Wi-Fi band.
2014 — **RigExpert TI-7**, a simple portable size USB transceiver interface, and **WTI-1**, a revolutionary wireless transceiver interface (for remote use) were developed.
2015 — **RigExpert AA-230 ZOOM** went to the market to start the new era of ZOOM series antenna analyzers.
2016 — **RigExpert AA-55 ZOOM**, the second ZOOM type antenna analyzer, and the **TI-8**, an inexpensive USB transceiver interface, were introduced to users. Same year, Rig Expert Ukraine Ltd. started to support and further develop a legendary all-mode multifunctional logging software, **MixW**.
2017 — **RigExpert AA-35 ZOOM**, a new ZOOM series antenna analyzer, and **RigExpert AA-30.ZERO**, completed the line of ZOOM series instruments. Also, the **FoxRex 3500**, an ARDF 3.5 MHz receiver, the first device of the new direction in business — ARDF equipment manufacturing, was successfully introduced to the Amateur Radio Direction Finding community.
2018 — Rig Expert Ukraine Ltd. has started the manufacturing of **RigExpert TI-5000** transceiver interface and the following ARDF equipment: **FoxRex 144** ARDF 144 MHz receiver, and **Red Fox 3500** & **Red Fox 144** micropower beacons. Also, **MixW4**, a new version of the logging software, has been released.

Summary: For over 15 years, about 35,000 RigExpert antenna analyzers and 11,000 RigExpert transceiver interfaces have been sold worldwide.

Our Mission: Providing radio amateurs and professionals with best radio communication, testing and measurement equipment.

Antenna & Cable Analyzers

The HF/VHF/UHF Family of Antenna Analyzers

RigExpert antenna and cable analyzers are ready for use in the field immediately after powering on and do not need pre- or recalibration.
Our instruments have a simple and convenient user interface, a built-in help assistant, as well as supported by free of charge AntScope software. All these advantages and high accuracy of measurements make RigExpert antenna and cable analyzers indispensable tools for HAM operators and RF professionals.
The following tasks are easily accomplished by using RigExpert analyzers:

- Rapid check-out of an antenna
- Tuning an antenna to resonance
- Antenna SWR and impedance measurement and comparison before and after specific event (rain, hurricane, etc.)
- Making coaxial lines or measuring their parameters
- Cable testing and fault location, measuring cable loss and characteristic impedance
- Measuring capacitance or inductance of reactive loads

RigExpert AA-30.ZERO (kit)

The most affordable vector HF antenna analyzer in the world! USB connection & free software. Arduino users: add a vector impedance analyzer and an RF generator to your project!

SPECIFICATIONS

Frequency range: 0.06 to 30 MHz
Frequency entry: 1 Hz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
Housing: none, PCB only – available as a kit
Display: 4 LEDs
Communication interface: UART, 38400 baud
SWR measurement range: 1 to 100
R and X range: 0…10000, -10000…10000

RF output:

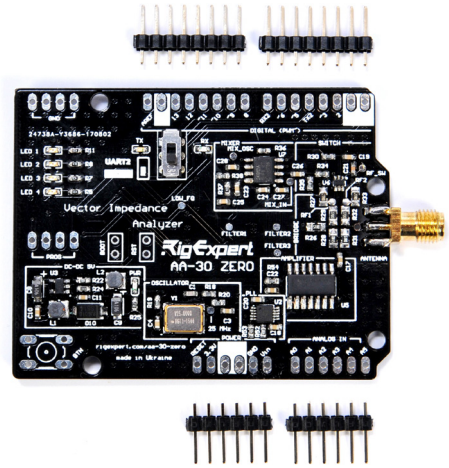
- Connector type: SMA
- Output signal shape: square, 0.06 to 30 MHz
- Output power: +13 dBm (at 50 Ohm load)

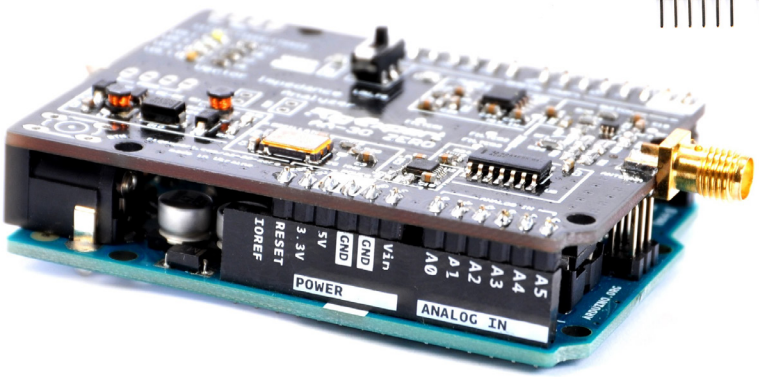
Power:

- Supply: external 5V
- Current consumption (max) 150 mA

General data:
Dimensions (WxHxD), PCB only w/o connectors: 55 x 69 x 5 mm (2.1 x 2.7 x 0.2 in)
Weight w/o connectors: 310 g (10.9 Oz)
Operating temperature: 0…40 °C (32…104 °F)

NOTE: All specifications are subject to change without notice or obligation.





RigExpert AA-35 ZOOM

The AA-35 ZOOM is a portable, self-calibrating analyzer, designed for measuring SWR (standing wave ratio), return loss, cable loss, as well as other parameters of cable and antenna systems in the range of 60 kHz to 35 MHz.A built-in ZOOM capability makes graphical measurements especially effective.

SPECIFICATIONS

Frequency range: 0.06 to 35 MHz
Frequency entry: 1 Hz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
SWR measurement range: 1 to 100 in numerical modes, 1 to 10 in chart modes
SWR display: numerical or analog indicator
R and X range: 0…10 000, -10 000…10 000 in numerical modes, 0…1 000, -1 000…1 000 in chart modes
Display modes:

- SWR at single frequency
- SWR, return loss, R, X, Z, L, C and phase angle at single frequency
- SWR chart, 100 points
- R, X chart, 100 points

Non Volatile memory:

- 10 slots to save measurement results

RF output:

- Connector type: UHF (SO-239)
- Output signal shape: square, 0.06 to 35 MHz
- Output power: +13 dBm (at 50 Ohm load)

Power:

- Two 1.5V alkaline batteries, type AA or two 1.2V Ni-MH batteries, type AA*
- Max. 4 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface:

- 320×240 color TFT display
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

Dimensions: 103 x 207 x 37 mm (4.1 x 8.1 x 1.4 in)
Operating temperature: 0…40 °C (32…104 °F)
Weight: 310 g (10.9 Oz) w/o batteries

* Batteries are not included with the analyzer.

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

RigExpert AA-55 ZOOM

The AA-55 ZOOM is a portable, self-calibrating analyzer, designed for measuring SWR (standing wave ratio), return loss, cable loss, as well as other parameters of cable and antenna systems in the range of 60 kHz to 55 MHz. A built-in ZOOM capability makes graphical measurements especially effective.

SPECIFICATIONS

Frequency range: 0.06 to 55 MHz
Frequency entry: 1 Hz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
SWR measurement range: 1 to 100 in numerical modes,1 to 10 in chart modes
SWR display: numerical or analog indicator
R and X range: 0…10 000, -10 000…10 000 in numerical modes,0…1 000, -1 000…1 000 in chart modes
Display modes:

- SWR at single or multiple frequencies
- SWR, return loss, R, X, Z, L, C and phase angle at single frequency
- SWR chart, 100 points
- R, X chart, 100 points
- Smith chart, 100 points
- Return loss chart, 100 points
- Cable tools (loss and characteristic impedance)

Optional open-short-load calibration.
Non Volatile memory:

- 10 slots to save measurement results

RF output:

- Connector type: UHF (SO-239)
- Output signal shape: square, 0.06 to 55 MHz
- Output power: +13 dBm (at 50 Ohm load)

Power:

- Two 1.5V alkaline batteries, type AA or two 1.2V Ni-MH batteries, type AA*
- Max. 4 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface:

- 320×240 color TFT display
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

Dimensions: 103 x 207 x 37 mm (4.1 x 8.1 x 1.4 in)
Operating temperature: 0…40 °C (32…104 °F)
Weight: 310 g (10.9 Oz) w/o batteries

* Batteries are not included with the analyzer.

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

RigExpert AA-230 ZOOM

The AA-230 ZOOM is a portable, self-calibrating analyzer, designed for measuring SWR (standing wave ratio), return loss, cable loss, as well as other parameters of cable and antenna systems in the range of 100 kHz to 230 MHz.An integrated Time Domain Reflectometer mode can be used to locate a fault within the feedline system.A built-in ZOOM capability makes graphical measurements especially effective.

SPECIFICATIONS

Frequency range: 0.1 to 230 MHz
Frequency entry: 1 kHz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
SWR measurement range: 1 to 100 in numerical modes,1 to 10 in chart modes
SWR display: numerical or analog indicator
R and X range: 0…10 000, -10 000…10 000 in numerical modes, 0…1 000, -1 000…1 000 in chart modes
Display modes:

- SWR at single or multiple frequencies
- SWR, return loss, R, X, Z, L, C at single frequency
- SWR chart, 20 to 500 points
- R, X chart, 20 to 500 points
- Smith chart, 20 to 500 points
- Return loss chart, 20 to 500 points
- TDR (Time Domain Reflectometer) chart
- Cable tools (loss and characteristic impedance)

Optional open-short-load calibration.
Non Volatile memory:

- 100 slots to save measurement results

RF output:

- Connector type: N
- Output signal shape: square
- Output power: -10 dBm (at 50 Ohm load)

Power:

- Four 1.5V alkaline batteries, type AAA or four 1.2V Ni-MH batteries, type AAA*
- Max. 4 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface:

- 290×220 color TFT display
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

Dimensions: 82 x 182 x 32 mm (3.2 x 7.2 x 1.3 in)
Operating temperature: 0…40 °C (32…104 °F)
Weight: 236 g (8.32 oz) w/o batteries

* Batteries are not included with the analyzer.

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

RigExpert AA-600

RigExpert AA-600 is a powerful antenna analyzer designed for testing, checking, tuning or repairing antennas and antenna feedlines in the range of 100 kHz to 600MHz. Graphical SWR (Standing Wave Ratio) and impedance, as well as Smith/polar chart displays are key features of these analyzer which significantly reduce the time required to adjust an antenna.

SPECIFICATIONS

Frequency range: 0.1 to 600 MHz
Frequency entry: 1 kHz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
SWR measurement range: 1 to 100 in numerical mode,1 to 10 in graph mode
SWR display: numerical or easily-readable bar
R and X range: 0…10 000, -10 000…10 000 in numerical mode, 0…1 000, -1 000…1 000 in graph mode
Display modes:

- SWR at single or multiple frequencies
- SWR, return loss, R, X, Z, L, C at single frequency
- SWR graph, 80 points
- R, X graph, 80 points
- Smith (or polar) chart, 80 points
- TDR (Time Domain Reflectometer) graph

Optional open-short-load calibration in SWR, R,X or Smith/polar chart graph modes.
RF output:

- Connector type: N
- Output signal shape: square, 0.1 to 200 MHz. For higher frequencies, harmonics of the main signal are used.
- Output power: -10 dBm (at 50 Ohm load)

Power:

- Three 1.5V, alkaline batteries, type AA*or three 1.2V, 1800…3000 mAh, Ni-MH batteries, type AA
- Max. 3 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface:

- 320×240 color TFT display
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

Dimensions: 230 x 100 x 55 mm (9 x 4 x 2 in)
Operating temperature: 0…40 °C (32…104 °F)
Weight: 650g (23 Oz) with batteries

* Batteries are not included with the analyzer.

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

RigExpert AA-1000

RigExpert AA-1000 is a powerful antenna analyzer designed for testing, checking, tuning or repairing antennas and antenna feedlines in the range of 100 kHz to 1000MHz.Graphical SWR (Standing Wave Ratio) and impedance, as well as Smith/polar chart displays are key features of these analyzer which significantly reduce the time required to adjust an antenna.

SPECIFICATIONS

Frequency range: 0.1 to 1 000 MHz
Frequency entry: 1 kHz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
SWR measurement range: 1 to 100 in numerical mode, 1 to 10 in graph mode
SWR display: numerical or easily-readable bar
R and X range: 0…10 000, -10 000…10 000 in numerical mode, 0…1 000, -1 000…1 000 in graph mode
Display modes:

- SWR at single or multiple frequencies
- SWR, return loss, R, X, Z, L, C at single frequency
- SWR graph, 80 points
- R, X graph, 80 points
- Smith (or polar) chart, 80 points
- TDR (Time Domain Reflectometer) graph

Optional open-short-load calibration in SWR, R, X or Smith/polar chart graph modes.
RF output:

- Connector type: N
- Output signal shape: square, 0.1 to 200 MHz. For higher frequencies, harmonics of the main signal are used.
- Output power: -10 dBm (at 50 Ohm load)

Power:

- Three 1.5V, alcaline batteries, type AA* or three 1.2V, 1 800…3 000 mAh, Ni-MH batteries, type AA
- Max. 3 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface:

- 320×240 color TFT displaty
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

Dimensions: 230 x 100 x 55 mm (9 x 4 x 2 in)
Operating temperature: 0…40 °C (32…104 °F)
Weight: 650g (23 Oz) with batteries

* Batteries are not included with the analyzer.

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

RigExpert AA-1400

RigExpert AA-1400 is a powerful antenna analyzer designed for testing, checking, tuning or repairing antennas and antenna feedlines in the range of 100 kHz to 1 400 MHz.Graphical SWR (Standing Wave Ratio) and impedance, as well as Smith/polar chart displays are key features of these analyzer which significantly reduce the time required to adjust an antenna.

SPECIFICATIONS

Frequency range: 0.1 to 1 400 MHz
Frequency entry: 1 kHz resolution
Measurement for: 25, 50, 75 and 100-Ohm systems
SWR measurement range: 1 to 100 in numerical mode, 1 to 10 in graph mode
SWR display: numerical or easily-readable bar
R and X range: 0…10 000, -10 000…10 000 in numerical mode, 0…1 000, -1 000…1 000 in graph mode
Display modes:

- SWR at single or multiple frequencies
- SWR, return loss, R, X, Z, L, C at single frequency
- SWR graph, 80 points
- R, X graph, 80 points
- Smith (or polar) chart, 80 points
- TDR (Time Domain Reflectometer) graph

Optional open-short-load calibration in SWR, R,X or Smith/polar chart graph modes.
RF output:

- Connector type: N
- Output signal shape: square, 0.1 to 200 MHz. For higher frequencies, harmonics of the main signal are used.
- Output power: -10 dBm (at 50 Ohm load)

Power:

- Three 1.5V, alkaline batteries, type AA*or three 1.2V, 1800…3000 mAh, Ni-MH batteries, type AA
- Max. 3 hours of continuous measurement, max. 2 days in stand-by mode when fully charged batteries are used
- When the analyzer is connected to a PC or a DC adapter with USB socket, it takes power from these sources

Interface:

- 320×240 color TFT displaty
- 6×3 keys on the water-proof keypad
- Multilingual menus and help screens
- USB connection to a personal computer

Dimensions: 230 x 100 x 55 mm (9 x 4 x 2 in)
Operating temperature: 0…40 °C (32…104 °F)
Weight: 650g (23 Oz) with batteries

* Batteries are not included with the analyzer.

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

Transceiver Interfaces

RigExpert transceiver interfaces (TI) have many sustainable competitive advantages:

- Two separate audio channels with separate audio levels controls
- CAT system support
- CW manipulation output
- RTTY & FSK modes are supported
- Compatible with any HAM radio logging software

RigExpert TI-8

RigExpert TI-8 is a USB transceiver interface for operating phone, CW and digital modes using personal computer. All in one through a single USB port!

SPECIFICATIONS

General features:

- Transceiver audio interface for operating digital modes, voice recording and playback
- CAT (Computer Aided Transceiver) system
- FSK output
- PTT and CW outputs
- CW keyer (WinKey emulation)
- Squelch input

Computer connection:

- USB (Universal Serial Bus) connector
- Powered from the USB port (consuming 100 mA maximum)
- No external power supply needed

Transceiver connection:

- Single 25-pin connector for transceiver cable
- Various transceiver models supported

Audio interface:

- Insulated from digital nets
- Maximum input/output amplitude is 1V
- Input/output samplerate: 8 to 48 kHz
- High quality 16-bit DAC/ADC used
- Volume levels are adjusted by the front panel potentiometers

CAT serial port:

- Baudrate: 300-115200 baud
- Electrical compatibility: RS-232, CI-V, TTL or inverted-TTL (Yaesu, Icom, Kenwood, Ten-Tec, Elecraft and JRC transceivers)

PTT/CW outputs:

- PTT output: open collector and TTL-level
- CW output: open collector
- Maximum current is 50 mA

FSK output:

- Baudrate: 45-1200 baud
- Open collector output

System requirements:

- Desktop or laptop computer with USB 1/2/3 compliant port
- Windows 2000/XP/2003/ Vista/7/8/10 (32- or 64-bit) operating system
- No USB drivers required
- The RigExpert TI Manager software is provided free of charge

Dimensions: 110 x 130 x 40 mm (4.3 x 5.1 x 1.6 in)

Weight: 300 g (10.6 Oz)

Operating temperature: 0…40 °C (32…104 °F)

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

RigExpert TI-5000

RigExpert TI-5000 is a new and powerful USB transceiver interface based on high quality audio codec IC, for operating phone, CW and digital modes using personal computer. All in one through a single USB port!

SPECIFICATIONS

General features:

- Transceiver audio interface for operating digital modes, voice recording and playback
- CAT (Computer Aided Transceiver) system
- FSK output
- PTT and CW outputs
- CW keyer (WinKey emulation)
- Footswitch input
- Microphone input

Computer connection:

- USB (Universal Serial Bus) connector
- Powered from the USB port (consuming 100 mA maximum)
- No external power supply needed

Transceiver connection:

- Single 25-pin connector for transceiver cable
- Various transceiver models supported

Audio interface:

- Insulated from digital nets
- Maximum input/output amplitude is 1V
- Input/output samplerate: 8 to 48 kHz
- High quality 16-bit DAC/ADC used
- Volume levels are adjusted by the front panel potentiometers
- External microphone input with level control
- Recording QSO audio stream

CAT serial port:

- Baudrate: 300-115200 baud
- Electrical compatibility: RS-232, CI-V, TTL or inverted-TTL (Yaesu, Icom, Kenwood, Ten-Tec, Elecraft and JRC transceivers)

PTT/CW outputs:

- PTT output: open collector and TTL-level
- CW output: open collector
- Maximum current is 50 mA

FSK output:

- Baudrate: 45-1200 baud
- Open collector output

System requirements:

- Desktop or laptop computer with USB 1/2/3 compliant port
- MacOS/Linux/Windows 2000/XP/2003/Vista/7/8/10 (32- or 64-bit) operating system
- No drivers required for systems on Windows 10/MacOS/Linux
- For Windows 2000/XP/2003/Vista: drivers are provided free of charge

Dimensions: 200 x 100 x 40 mm (7.9 x 3.9 x 1.6 in)

Weight: 300 g (10.6 Oz)

Operating temperature: 0…40 °C (32…104 °F)

NOTE: All specifications are subject to change without notice or obligation.

Warranty: 2-year coverage supported by RigExpertCare™

ARDF Equipment

A FoxRex receiver plus a Red Fox micropower beacon form an ARDF equipment set with great characteristics, making it a champion's choice.

RigExpert FoxRex 3500 – ARDF receiver

FEATURES

- Digital VFO
- LCD indicator
- Two Sense buttons
- Run timer
- Fox time remaining timer
- Auto power off timer
- Two-language interface (English/German)
- Digital rangefinder
- Automatic attenuator
- 6 settings memories
- Acoustic S-meter
- Fox proximity alarm
- Internal battery charger
- Low battery alarm

SPECIFICATIONS

- Frequency range: 3.490 – 3.660 MHz
- Sensitivity: H=70 nA/m (S/N=10 dB)
- Selectivity: –6 dB @ 1.3 kHz
  –20 dB @ 4 kHz
  –40 dB @ 8 kHz
- Image rejection: 40 dB min
- Attenuator range: 110 dB, in 5 dB step
- Charger voltage: 12 V
- Charge current: 250 mA max
- Battery life: 40 hours min
- Weight: 400 g
- Recommended headphone type: 2 x 32 Ohm; 3.5 mm

RigExpert Red Fox 3500 – micropower beacon

SPECIFICATIONS

- Frequency: 3.579 MHz
- Distance: 100–200 m
- Power supply: 1 el. CR2032, 3V
- Beacon: beep-beep

NOTE: All specifications are subject to change without notice or obligation.

RigExpert FoxRex 144 – ARDF receiver

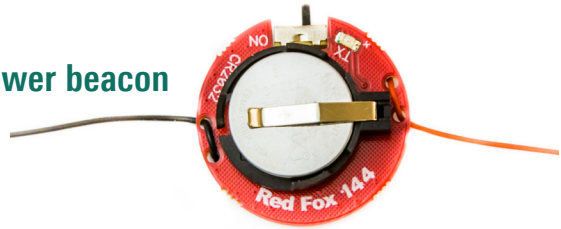
FEATURES

- Digital VFO
- LCD indicator
- Run timer
- Fox time remaining timer
- Auto power off timer
- Two-language interface (English/German)
- Digital rangefinder
- Automatic attenuator
- Settings memory
- Acoustic S-meter
- Fox proximity alarm
- Internal battery charger
- Low battery alarm

SPECIFICATIONS

- Frequency range: 143.9–148.1 MHz
- Sensitivity: 0.1 µV (S/N = 6 dB)
- Selectivity: –3 dB @ 14 kHz
  –40 dB @ 46 kHz
  –70 dB @ 70 kHz
- Image rejection: 45 dB min
- Attenuator range: 120 dB, in 5 dB step
- Amplitude modulation: A2A
- Charger voltage: 12 V
- Charge current: 250 mA max
- Battery life: 30 hours min
- Weight: 530 g
- Recommended headphone type: 2 x 32 Ohm; 3.5 mm
- Antenna: 3-element Yagi
- Antenna gain: 7.4 dBi
- Antenna beamwidth: horizontal; +/- 32° (–3 dB)

RigExpert Red Fox 144 – micropower beacon



SPECIFICATIONS

- Frequency: 144.005 MHz, 1 kHz modulation
- Distance: 500–700 m
- Power supply: 1 el. CR2032, 3V
- Beacon: one of MOE – MO5

NOTE: All specifications are subject to change without notice or obligation.

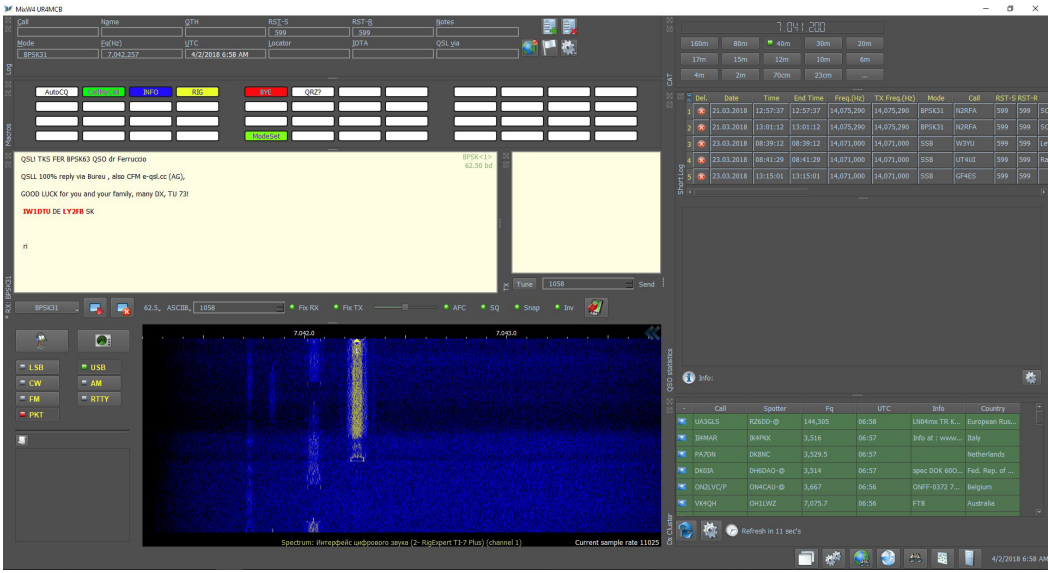
MixW4

MixW4 is a new multifunctional software for radio amateurs.
It combines all modern digital modes (including JT65 and FT8), with logging and contesting capabilities.

Key features: supported phone, CW and digital modes; QSO logging with search and statistics; extensible contest modules; support for most modern transceivers and antenna rotators.

Unique capabilities: support for external SDR receivers, such as KiwiSDR; scripting language for user-defined contest modules.

The program is in the active stage of development, so new features, such as new digital modes, new rigs and new contests, are added on a weekly basis.



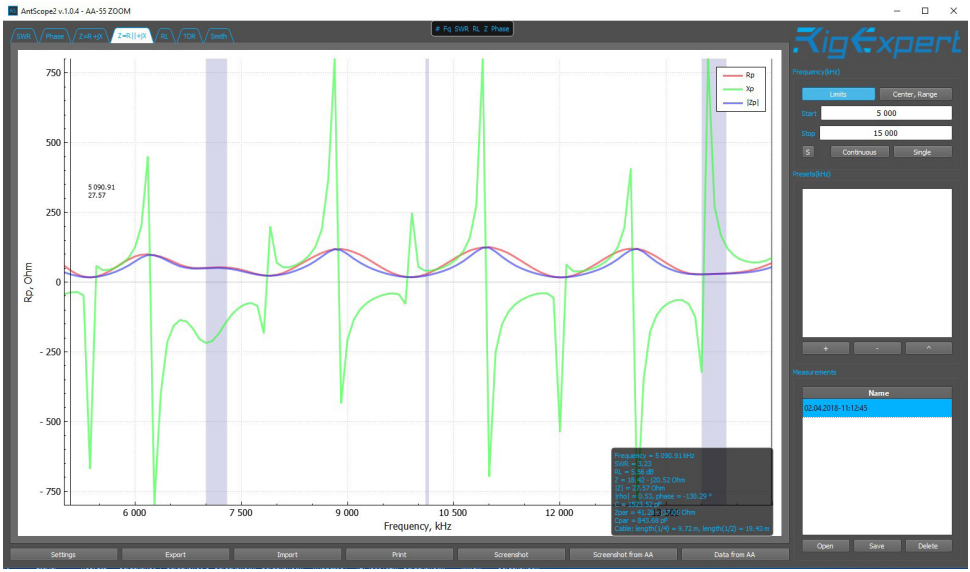
AntScope2

The AntScope2 is a companion software designed to support RigExpert analyzers under Windows (versions for Mac OS and Linux are under development).

The primary purpose of this program is making measurements from a PC, but you may also download analyzer's memories or take screen shots.

Key features: multiple graphs and multiple markers; scalar and vector displays (including TDR and Smith chart); data export and import; band presets.

The AntScope2 is distributed free of charge for all RigExpert users.



RigExpert Global Authorized Representatives

EUROPE

BELGIUM
Maes Electronics N.V.
https://www.maes-electr.be
KWcom
https://www.kwcom.be

CZECH REPUBLIC
DD AMTEK
http://www.ddamtek.cz

DENMARK
DMTonline ApS.
http://dmtonline.dk

FINLAND
RXTX-Tuote Oy
http://www.rxtx-tuote.fi

FRANCE
Zenith Antennes
https://www.zenithantennes.fr
SARDIF
http://www.sardif.com

GERMANY
WiMo Antennen & Elektronik GmbH
http://www.wimo.com
SSB-Electronic GmbH
http://www.ssb.de
Funktechnik Dathe
https://www.funktechnik-dathe.de
RF Power Solutions
http://www.rf-power-solutions.com

HUNGARY
Nagy Alajos, HA3LI
http://www.eldohu.com/mixw

IRELAND
Radiotronics Limited
http://www.radiotronics.ie

ITALY
HamRadioShop
https://www.hamradioshop.it
HARDSOFT Products
http://www.hsp.it

LATVIA
ELSI Co. Ltd
http://www.elsi.lv

LUXEMBURG
E-shopamateur
http://www.e-shopamateur.lu

NORWAY
Permo HAM Headquarters
http://www.permo.no
Simarud Electronic AS
http://www.simarud.no

POLAND
inRADIO
https://www.inradio.pl
ERcomER
http://www.ercomer.pl

ROMANIA
S.C.MATRA SYSTEMS S.R.L.
http://www.matra-systems.ro

RUSSIA
Unicom
http://www.unicom.ru

SLOVENIA
PCS Elektronik d.o.o.
http://www.pcs-electronics.com

SPAIN
Astro Radio S.L.
https://www.astroradio.com
Angro Comunicaciones S.L.
http://radioshop.hamradio.es

SWEDEN
Swedish Radio Supply AB
https://www.srsab.se

SWITZERLAND
ATLAS Communications SA
http://www.atlas-communications.ch

UKRAINE
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Dolya & Co., Ltd.
http://www.dolya.kiev.ua
UX5UL
http://www.spid.in.ua
Vitex Telecom, Ltd.
http://www.vitex.kiev.ua

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PNC Engineering
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The DX Store
http://www.dxstore.com

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Guangzhou ARDF
http://ardfgz.com

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Transmitters 'R' Us
https://www.transmittersrus.com

JAPAN

Rig Expert Japan
http://www.ja1scw.jp/shop/

KOREA

Wavenix Co., Ltd
http://www.wavenix.com

THAILAND

MEASURETRONIX LTD.
http://www.measuretronix.com
Tenmeter Communication Co, LTD
http://www.tenmetershop.com

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Stealth Telecom FZC
http://www.stealth-tele.com

OCEANIA

AUSTRALIA

RF Solutions
http://rfsolutions.com.au
Radiotronics Limited
http://www.radiotronics.com.au

INDONESIA

RF-Kit Electronics
https://rf-kit.com

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