RigExpert

MATCH

Upgradeable

antenna and cable analyzer

MATCH design

1. MATCH is designed for HAM radio enthusiasts of all skill levels who are eager to elevate their experience.

2. With cutting-edge technology and upgradeable features, MATCH is set to revolutionize the HAM radio world by growing alongside its users' needs.

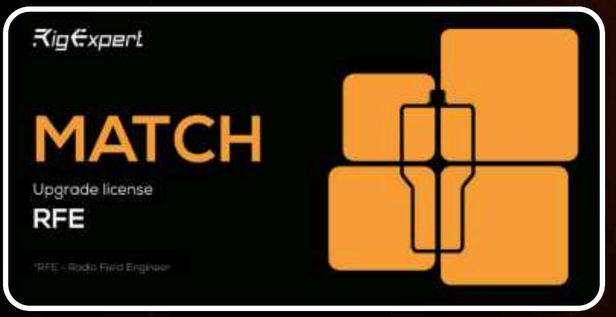
3. The **Base model** of the devise has a common factory preinstalled features.

4. When needed user can buy a licenses **ADVANCED and RFE*** that can upgrade the frequency range and add some extra functionality for their device.

*RFE – Radio Field Engineer

MEET MATCH game-changing device to the HAM market.

Base model



2 licenses

Base model – factory-set in the MATCH device

- **Frequency range:**
  0,1 to 70 MHz

- **Display modes:**
  - SWR Chart
  - RX Chart
  - Return Loss Chart

- **Table modes:**
  - SWR Meter
  - MultiSWR Meter
  - R, X, Z, L, C, Loss, Phase Meter

- **Features:**
  - Memory Slots for saving measurements
  - Jump to Extremum Value
  - Save Measurements
  - Load Measurements
  - Choosing GUI Language
  - Chosing GUI Palette
  - Choosing Battery Profile
  - Controlling Sound
  - Selecting System Impedance
  - Chosing Metric/Imperial Units
  - Choosing IARU Regions
  - Setting the Cable Velocity Factor
  - Setting Frequency Correction Factor
  - Factory Reset
  - Clearing Saved Charts

- **Languages**
  English, Ukrainian, Spanish, French, German, Portuguese, Italian.

- **Tools**
  - Self test

ADVANCED license

Upgrade allows an access to additional features, marked with the color

- **Frequency range:**
  0,1 to 230 MHz

- **Display modes:**
  SWR Chart, RX Chart, Return Loss Chart, Smith Chart

- **Chart modes:**
  SWR Meter, MultiSWR Meter, R, X, Z, L, C, Loss, Phase Meter, *Multé, MultiBand, Quick band*

- **Features:**
  - *SWR2Air feature*
  - *BLE Feature*
  - Memory Slots for saving measurements
  - Jump to Extremum Value
  - Save Measurements
  - Load Measurements
  - Choosing GUI Language
  - Choosing GUI Palette
  - Choosing Battery Profile
  - Controlling Sound
  - Selecting System Impedance
  - Chosing Metric/Imperial Units
  - Choosing IARU Regions
  - Setting the Cable Velocity Factor
  - Setting Frequency Correction Factor
  - Factory Reset
  - Clearing Saved Charts

- **Languages**
  English, Ukrainian, Spanish, French, German, Portuguese, Italian.

- **Tools**
  Stub Tuner, Length vs VF, Cable Loss, Cable Impedance, Self test, *OSL Calibration*

RFE license

Upgrade allows an access to additional features, marked with the color

- **Frequency range:**
  0,1 to 500 MHz

- **Display modes:**
  SWR Chart, RX Chart,
  Return Loss Chart,
  Smith Chart

- **Features:**
  - SWR2Air feature
  - BLE Feature
  - Memory Slots for saving measurements
  - Jump to Extremum Value
  - Save Measurements
  - Load Measurements
  - Choosing GUI Language
  - Choosing GUI Palette
  - Choosing Battery Profile
  - Controlling Sound
  - Selecting System Impedance
  - Chosing Metric/Imperial Units
  - Choosing IARU Regions
  - Setting the Cable Velocity Factor
  - Setting Frequency Correction Factor
  - Factory Reset
  - Clearing Saved Charts

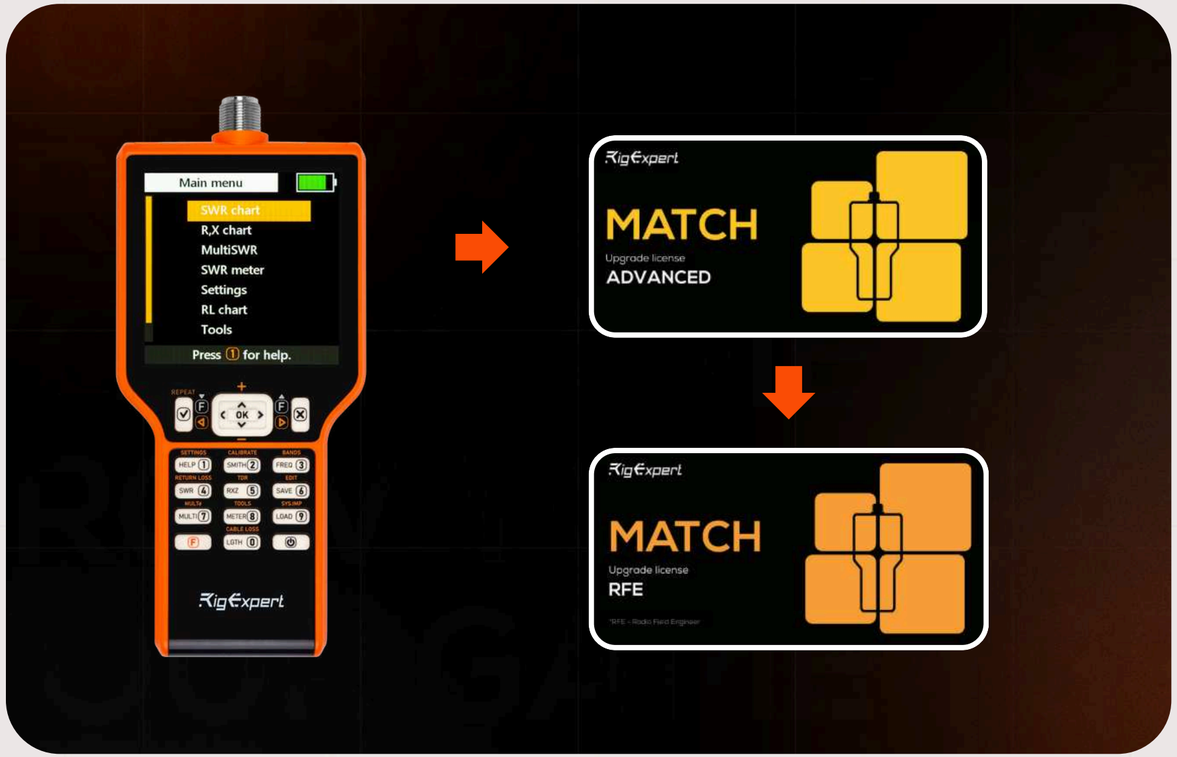
- **Chart modes:**
  SWR Meter, MultiSWR Meter,
  R, X, Z, L, C, Loss, Phase
  Meter, Multé, MultiBand,
  Quick band, *TDR Chart*

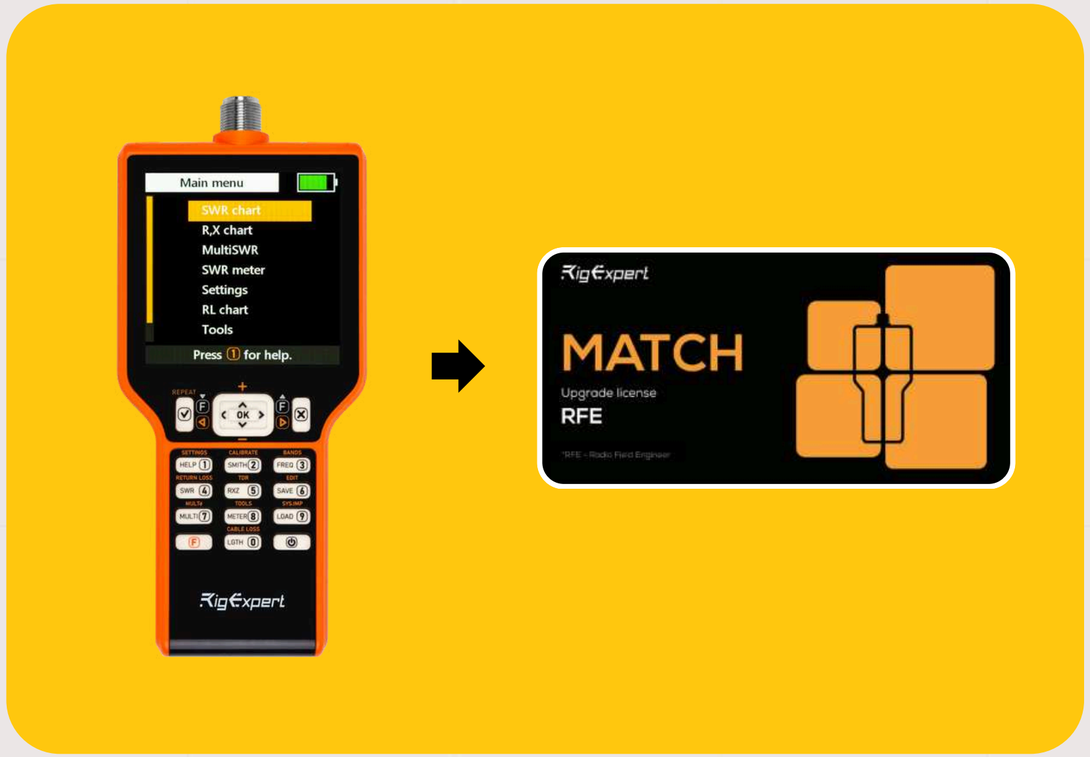
- **Languages**
  English, Ukrainian,
  Spanish, French, German,
  Portuguese, Italian.

- **Tools**
  Stub Tuner, Length vs VF,
  Cable Loss, Cable Impedance,
  Self test, OSL Calibration,
  User OSL Calibration Profiles

Purchase Paths

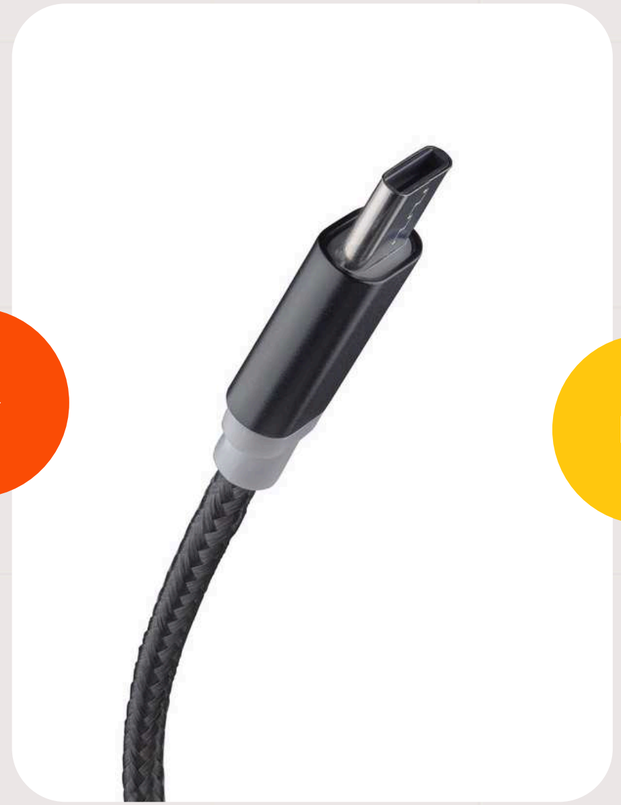
- Users can purchase the Base model and upgrade incrementally—first to the Advanced license and later to the RFE license.
- Alternatively, they can upgrade directly from the Base model to the RFE license in one step.





EASY Upgrade

- After purchasing the desired license, the user opens the License Pack and enters the 12-digit License Key using the AntScope2 software on their PC.



License key

S4Y5 14YQ J8O8

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Why MATCH Will Be a Big Success in the HAM Market

Future-proof: Designed to grow with the user, MATCH ensures adaptability with customizable features and updates.

Accurate, Reliable, Fast: Delivers precise antenna analysis with speed, starting with a fully functional base setup.

Wide Audience Appeal: Perfectly suited for beginners and seasoned professionals alike.

Cost-Effective: Saves users money by allowing functionality upgrades via licenses instead of purchasing a new device.

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For more information please visit
MATCH product page on our website

Go to the product page →

MATCH Upgradeable Powerful Antenna and Cable analyzer up to 500 MHz.

Applications

- Amateur radio
- Professional radio
- Commercial radio
- Telecommunications

Use cases

- Checking and adjusting antennas
- Cable Length and Velocity Factor measurements,
- 1/4-λ, 1/2-λ coaxial stubs setup
- Finding cable fault
- Measurement of parameters of other RF elements - Capacitors and inductors
  - Transformers
  - Traps

Main Features

- Upgradeable by licenses
- Big color TFT LCD 4.0” display
- High contrast with Low Power Consumption
- Consistency and accuracy without prior recalibration
- Multilingual user-friendly interface
- Built-in Helper at the push of a button
- Factory calibration- ready to use
- OSL calibration data memory to select different measurement fixtures quickly (available for RFE license)

Upgrade license **ADVANCED**

Upgrade license **RFE***

RigExpert warranty

RigExpertCare™ is the 2-year limited warranty coverage: Rig Expert Ukraine Ltd. will replace defective goods covered by the Warranty with new goods of the same model as soon as possible. Receive an additional one-year warranty upon registering your MATCH with the RigExpert Club (by website or AntScope2).

*RFE- Radio Field Engineer

Frequency range	0.1 to 70 MHz and the range can be upgraded to 230 MHz (available for Advance license) and 500 MHz (available for RFE license)
Operating modes	• SWR at single or multiple frequencies • SWR, return loss, R, X, Z, L, C at single frequency • SWR chart • R, X chart • Smith chart (available for Advanced, RFE licenses) • Return loss chart • Time Domain Reflectometery (TDR) chart (available for RFE license) **Basic Tools:** self-test **Advanced tools (available for Advanced license and RFE license):** stub tuner, length & velocity factor, cable loss and characteristic impedance measurement, OSL calibration **RFE License Tools:** LC meter, User OSL: 10 profiles available • Factory OSL- Yes
Built in Helper	Yes, at the push of a button
Display	480x480 color TFT 4.0” LCD display
Operating time (continuous measurements)	2 hours 40 minutes
Localizations	English, German, French, Spanish, Portuguese, Italian, Ukrainian
Output connector	N-type
Output power	-10 dBm (at 50 Ohm load)
Battery	One Li-Ion battery ICR18650, 2600mAh
Operating temperature	-10…60 °C (14…140 °F)
PC/Mobile Interfaces	USB Type-C
Dimensions	93 × 207 × 37 mm (3.7 × 8.1 × 1.5 in)
Weight (with battery installed)	341g (12 oz)