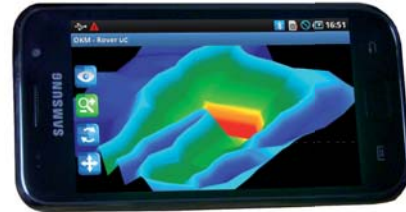# Rover UC

The Rover UC (UnderCover) is the new generation of metal detection technology. This unit is smaller, lighter and more compact than any other detector we have ever built. All of the programming is built into the detector and it is controlled by a Smart Phone. There is no longer a need for a computer, although you can use one if you like!

This unit is specifically designed for the treasure hunter who does not want everyone to know what it is that they are doing or what it is that they have. As a matter of fact it is disguised to look like a trekking pole.

Applications

- *3D Sub-Surface investigation and mapping*
- *Very well suited for covert treasure hunting*
- *Tunnel, void or cavity locating*
- *Discrimination between ferrous and non-ferrous metals*
- *Magnetometer to locate ferrous metals*

Since the Rover UC is camouflaged to look like a hiking stick this allows the user to work undetected in areas where the public is without arousing their curiosity! This helps the curious people go about their business as if you were not there.

The 3D software for analyzing the graphical mesurements has been integrated into the Android smart phone, so a computer is only necessary to do post processing to find instances of depth and target size.

All of the other processing is done directly on the smart phone! Basic operations like zooming in and out, rotating the scan to see all of the sides in 3D and repositioning the scan can be done directly on the smart phone. Also the amount of scans that can be stored is now in the thousands and limited only to the size of the Micro SD Card that is installed.

## Operating Languages

- *Version A: English, French, German, Spanish*
  *   Greek, Turkish, Italian and Dutch*
- *Version B: English, French, Arabic and Farsi*

The smart phone is shipped unlocked, so if you place your own SIM card into the SIM lock free smart phone. You are not only able to scan with your Rover UC but can also use all of its functionality that comes with the Android operating system and mobile telephone like access to the Internet, Contacts, Administration as well as any other installed application.   A demonstration of the application is available.

Scope of Delivery

- Telescopic Antenna
- Pre-configured Smart Phone
- Smart Phone accessories (Charger, USB Cable, Headphone, etc)
- Visualizer 3D Software
- User Manual
- AA Battereries
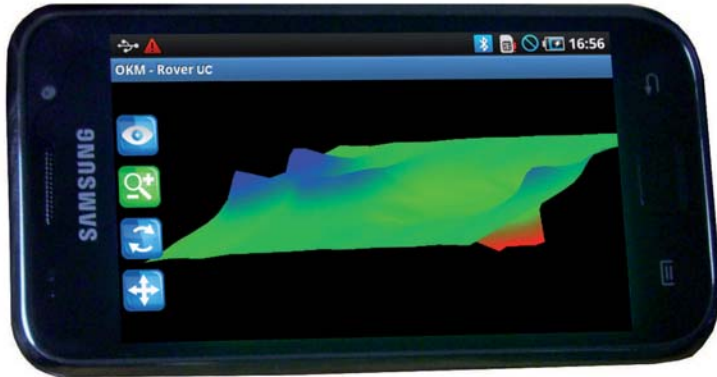
Technical Specifications

Dimensions (H x B x T)	730 - 1400 x 40 x 60 mm
Weight	approx. 650 grams
Power Supply (Batterien)	2x AA Alkaline (1.5 V, 2600 mAh) - or
	2x NiMh (1.2 V, 2600 mAh)
Operating Time	approx. 10 Hours
Processor	Dual-System, Atmel AtMega CPU, 20 Mhz
Interconnect	Bluetooth, Class 2
Operating Temperature	-10 – +50 °C
Storage Temperature	-20 – +60 °C
Operational Humidity	5 % – 75 %
Watertight	NO
Technology	GST, EMSR
Sensor	SCMI-15-D

Data transfer between Telescopic Antenna and Smart Phone

Technology	Bluetooth
Frequency Range	2.4 – 2.4835 GHz
Maximum Data Transfer Speed	1 Mbps
Receiver Sensitivity	-85 dBm
Maximum Range	ca. 10 m

The data displayed is easy to see on the smart phone's display also in bright sunlight.

Displayed is the Magnetometer function showing a ferrous target.
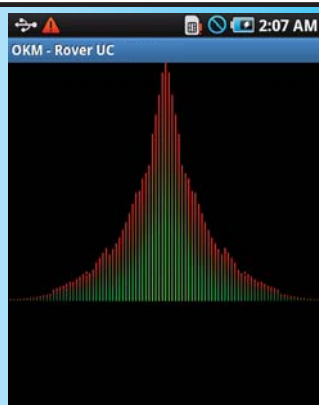
The menu functions are built with the user in mind. Clear easy to read and to operate.