Read carefully and understand these instructions before connecting the apparatus.
Keep this handbook for future references

This kit is ideal for the rewards hunters. Using this metal detector, you will find the hidden treasures. The kit contains all the necessary parts to assemble it and to use your own metal detector. You will need a Philips screwdriver to carry out the assembly and a 9V battery (not included) for its operating.

**Recommendation:** we recommend you to use a screwdriver with a magnetized end in order to facilitate the assembly of the screws.

**COMPONENTS LIST**
Check that all indicated parts are in the kit.

![Handle carcass](#)  
Handle carcass  
Upper part

![Handle carcass](#)  
Handle carcass  
Lower part

(see following page)

**WARRANTY**
This component has to be used by professionals, or end-user with enough knowing and/or a determinate technical level, allowing him to develop himself its required projects or applications. For this reason, we will not supply technical assistance regarding implementation problems of this mentioned component as concern applications in it has to be used. For any problem concerning the operating mode of this product (except application problems), please don’t hesitate to contact our technical department by Fax: +34.93.432.29.95 .or by e-mail:  
[ sat@fadisel.com](mailto:sat@fadisel.com)

The technical documentation of this product corresponds to the transcription of the manufacturer’s documentation supplied. “Components” products family from Cebek, offers 1 year of warranty from the purchase date. The wrong handling will be excluded of this warranty. If you wish you can consult our web site: [www.fadisel.com](http://www.fadisel.com), where you can find more products.
### COMPONENTS LIST

(continuation of the previous page)

- **Lens Higher carcass**
- **Amplifying lens (magnifying glass)**
  (To carefully handle)
- **Sensitivity Button**
- **PVC tubes (2)**
- **Buzzer /fixed on the carcass upper part**
- **1.7 X 40 mm Screw (1)**

- **Lens lower carcass**
- **Assembled printed circuit, with the included coil**
  (To handle with many care)
- **Plate to covering the battery**
  (with prefixed 2,0 X 6 mm screw)
- **Double faces band**
- **Wrist strap**
- **2.6 X 8 mm Screw (9)**
Connections
To assemble the sensitivity button on the printed circuit.
1. Locate the button on the printed circuit as it is indicated on the diagram
2. Line up the hole of the button with the hole of the printed circuit
3. Locate the 1,7 X 4 mm screw in the hole and suitably screw it tighten

Amplifying lens installation
1. Place the carcass on a plane work surface
2. Locate the amplifying lens on the carcass, as it is indicated on the diagram
3. Place the lens lower carcass on a plane work surface
4. Place the detection ring on the lens lower part (see diagram), remove the protective paper from the adhesive band and fix the detecting ring on the lower part using this band
5.- Now, turn the device and assemble the higher face.
Line up faces and place the 2,6 X 8 mm screws in each hole and screw them.

Whole printed circuit assembly

1. Place the upper part of the handle carcass on a plane surface as is indicated in the diagram.
   Locate the buzzer, the two blue must cables be in the left lower part, in order to easily connect them later.
2. Be sure that the printed circuit green light is located in right position (otherwise you can't correctly close the device), then turn the printed circuit in the position indicated in the diagram.
   Check that the green light is well centered regarding the enclosure hole
3. Line up the hole of the printed circuit screw with the hole corresponding on the higher handle carcass. Then place and screw a 2,6 X 8 mm screw to assemble the printed circuit in the higher handle carcass.
Buzzer and printed circuit connections

*Note:* You will be able to connect each buzzer blue cable with corresponding cables of the printed circuit.

Before all, place a PVC tube on a couple of blue wire.

1. Connect a buzzer blue cable with one of the two blue cables of the printed circuit. Check they are well connected. Then slide the PVC tube until the wires connection is completely covered.
2. Repeat the operation with the other pair of blue wire. Check the connection is correctly done and safe. Then slide PVC tube until the wires connection is completely covered.

To assemble handle carcass and the wrist strap

1. Locate the blue cables above the printed circuit. Be sure that cables are not out of the enclosure.
2. Make a tightened node with the wrist strap, locate it on the higher handle carcass lower groove.
3. Place the whole lens in the groove based on the handle upper part.
4. Locate the lower part of the handle carcass on the handle upper part. Correctly line up and place the four 2,6 X 8 mm screws in the corresponding holes. Then screw them.
Battery assembly

Your metal detector needs a 9 V battery (not included) to operate. For a good performance and a maximum duration, we recommend to you to use an alkaline pile.

**Warning**: Use a new pile, like the recommended type.

Follow following steps to install the battery:

1. Before installing the battery, be sure the sensitivity button is connected (turned completely on the left).
2. Connect the battery to the connector, checking the connectors position is correct. It is possible to place the battery only in the correct position.
3. Place the battery in the compartment.
4. The battery holder enclosure screw is prefixed. Correctly line up this lid in its place, close and screw. Check that closing is correct.

When the metal detector sounds slightly, emits an abnormal noise or stop to operate, it will be necessary to replace the used battery with a new battery.

**Attention**: Deposit used batteries in the specific recycling containers. Do not burn them, and do not bury them....

**Warning**: if you will not use the metal detector during a several weeks (approximately on month or more), remove battery from battery holder. Batteries contain chemicals substances which can destroy the detector electronic components.
1. Move away the detector from any metal object, then turn the sensitivity button on the right until hearing a “click” which indicate you the switch have connected the circuit. The detector is buzzing the luminous indicator light on.

2. Turn slowly the sensitivity control button until the buzzer stops sounding and which the green indicator light off. As soon as the sound is stpped, DO NOT TURN ANY MORE the BUTTON. If you turn the button, the detector will lose sensitivity.

3. Now, you can start the research on the wished place. When the detector is close to a metallic object, it will buz and the green indicator will be illuminated. When you move again the detector moving it away from the metallic object, the detector will stop the buzz and the indicator will light off.

To disconnect the detector, turn the button on the left side until hearing the “click”.

TO OBTAIN BETTER RESULTS, APPROACH THE DETECTOR TO THE METALLIC OBJECTS AS CLOSE AS POSSIBLE.

HOW OPERATE THE METAL DETECTOR:
The operating mode of metal detectors is based on the magnetic electro induction principle. Metal detectors have one or more inductive coils, which are used like interactive components with the metallic elements on the ground. A pushing current is applied to the coils, which induce a magnetic field (figure A). When the coil magnetic field moves through a metal, the field induces an electric current in the metal (effect known as Foucault's current). This current induces its own magnetic field, which generates an opposed current in the coil (figure B), this one induces also, a signal indicating the presence of metal.
METAL DETECTOR KIT

WARNING

In order to take the maximum profit and time your metal detector, we recommend you:
.- To correctly dry the detector after each use
.- Use and store the detector only at normal environmental temperatures
.- Handle the detector with softness and careful. Do not wet it.
.- Preserve the detector far away from dust and dirtiness.
.- Periodically clean the detector using a wet cloth, that will give again its new aspect.

POSSIBLE PROBLEMS

If the product does not function correctly
1. Check the battery state, replace the alkaline battery if it is weak or used.
2. Check that battery is well connected to its connector
3. Check that all blue cables are well connected and they are correctly protected by the PVC tubes.

CAUTION

.- To modify or to try to force detector internal components can cause a faulty operating mode.
.- Changes or modifications of the printed circuit parts can provoke a wrong operating mode and that is formally prohibited.