

# kogan

**Deep Target Waterproof  
Metal Detector**

**KAMETANDETA**

**USER MANUAL**



With your metal detector, you can hunt for coins, relics, jewelery, gold, and silver just about anywhere. The detector is versatile and easy to use.

Its features include:

### **Targeting**

Pinpoint the target accurately by lowering the sensitivity.

### **Tone**

Utilise distinctive tones to identify different types of metal.

### **All Metal**

Search for a diverse range of metal objects.

**Analog Meter**—shows probable type of metal being detected.

### **Frequency Adjustment**

Avoid interference from other equipment with same frequency.

### **Arm Support**

Carry and operate your detector comfortably.

### **Headphone Jack**

Connect your headphones to the detector (not supplied)

### **Waterproof Searchcoil**

Use of the metal detector in moist/submerged environments.

### **Adjustable Stem**

Adjust the detector's overall length for comfortable use.

## **Low Battery Indicator**

You'll know exactly when you need to replace the detector's batteries.

## **Power**

Your metal detector requires 2 x 9-volt alkaline batteries (not supplied). The built in DC—DC circuit can avoid wrong battery polarity connection and prolong battery life.

## **- PREPARATION -**

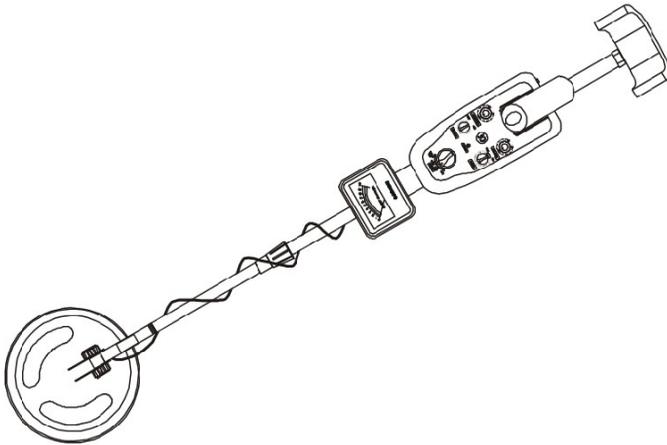
### **ASSEMBLING THE DETECTOR**

Assembling your detector is easy and requires no special tools. Just follow these steps.

- Turn the stem's lock nut clockwise until it loosens.
- Lengthen or shorten the detector so that when you hold it and stand upright, the search coil is level about 1/2 to 2 inches above the ground and your arm can relax at your side.
- Turn the stem's lock nut counter-clockwise to lock it into place.
- Unscrew the knob on the search coil and remove the knob connector. Insert the stem and align the holes on the search coil bracket and the stem. Push the connector through the holes and tighten the knob.
- Wind the search coil cable around the stem. Leave enough slack in the cable.
- Insert the search coil's plug into the search coil jack on the detector's control housing.

**Caution:**

- The search coil's plug fits into the connector only one way. Do not force the plug or you could damage it.



Loosen the knob at the search coil's end, then adjust the search coil to the desired angle so that it is parallel with the ground. Then tighten the knob.

**Caution:** Do not overtighten the search coil or use tools such as pliers to tighten it.

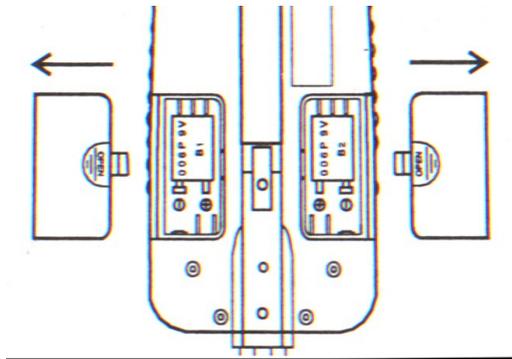
Insert the arm support into the end of the stem and tighten the lock screw.

## INSTALLING THE BATTERIES

### Cautions:

- Use only fresh alkaline batteries of required size.
- Do not mix the old and new batteries or different types of batteries.

1. Set the switch to OFF.
2. Slide the left and right battery covers off in the direction of the arrows.
3. Place a 9V battery into the battery compartment in accordance with the polarity symbols (+ and -) marked inside.



### Warning:

- Dispose of old batteries promptly and properly. Never bury or burn them.

### Caution:

- If you don't plan to use the unit for a week or more time, remove the batteries. Batteries can leak chemicals that can destroy electronic parts.
- To extend the battery life, exchange the left and right battery after 3~4hours of operation.

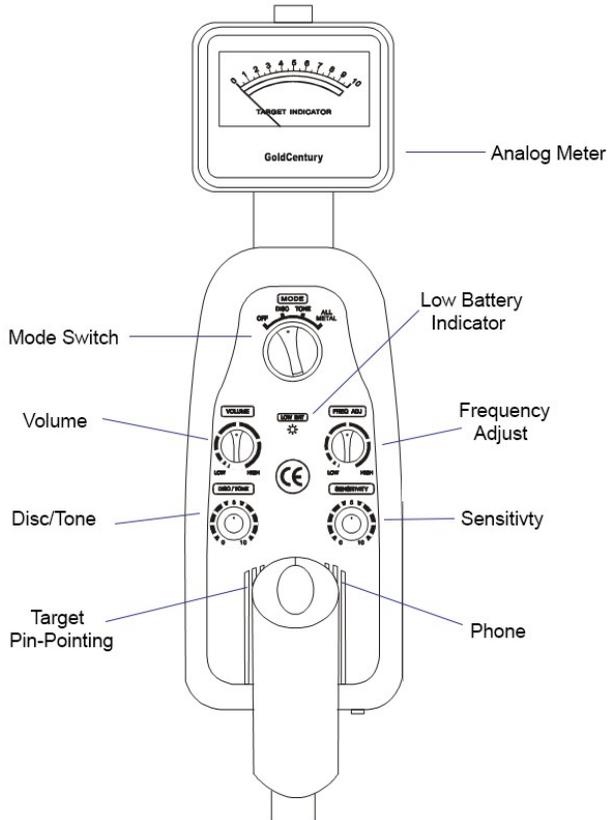
## **USING HEADPHONES**

1. Insert the headphones' 3.5mm plug into the HEADPHONE jack. Upon doing so, the internal speaker will disconnect.
2. Set the VOLUME to the desired setting.

## **Listening Safely**

- To protect your hearing, set the volume to the lowest setting before you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Listening at extremely high volume levels of extensive periods can lead to permanent hearing loss.
- Do not wear headphones while operating your detector near high-traffic areas. Pay attention to traffic safety.

## A QUICK LOOK AT THE DETECTOR



## CONTROLS & INDICATORS

### A. Operating Modes

- **“OFF”** - Power off.
- **“DISC”** - Discrimination mode. Works with DISC/TONE. Discriminates the metal type based on the tone.
- **TONE** - Works with DISC/TONE. Sounds two different tones for different types of metal.
- **ALL METAL**- In this mode, the detector can detect all kinds of metal with any setting of DISC/TONE.

**B. VOLUME** - You can set the volume to the desired level from LOW to HIGH.

### **DISC/TONE**

You can set the mode switch to any desired position by rotating it from “0” to “10”. When in DISC mode, the detector discriminates the metal type according to the length of the tone it sounds. When in TONE mode, the detector discriminates the metal type as per the volume of the tone.

### D. Target Pinpointing

Press the red button at the top of the handle to lower the sensitivity in order to pin-point targets more accurately.

### E. PHONE” jack

Connect earphones to the PHONE jack, speaker inside will be disconnected.

## **F. SENSITIVITY.**

Turn to any position from “0” to “10”. The lowest sensitivity is represented with “0” and the maximum sensitivity with “10”. Turn SENSITIVITY to a higher position when searching targets; Turn SENSITIVITY to a lower position when searching in highly-mineralized soil or high electronic interference areas.

## **G. FREQ ADJ.**

Adjust sensitivity with FREQ ADJ to avoid interference from any other metal detector in the same area.

## **H. LOW BAT**

The LOW BAT indicator lights to indicate it's time for the user to replace the batteries.

## **I. Analog Meter**

When the metal detector finds a metal target, the meter pointer will swing to the right.

## Operation

Your metal detector has four operation modes: DISC, TONE, ALL METAL and TARGET TRACK. DISC and TONE are motion modes while TARGET TRACK is a non-motion mode.

When searching, generally set “DISC” as the operation mode, with high sensitivity and “DISC/TONE” set to “0”. Sweep your search coil as demonstrated in the picture below, moving the search coil back and forth in an arc. To ensure you don't miss targets, keep the distance from search coil to the earth about 1 – 5cm (closer to the earth for smaller target) and the distance between two neighboring arcs 10 – 15cm.



If there is a sound of “di-di” during moving, it indicates that there is a metal target in the sound area. In this case, you can use “TARGET PINPOINTING” to pinpoint the target. Then use “DISC” or “DISC/TONE” to determine whether the target is worth digging out. The followings are the four operation modes in detail.

## **TARGET PINPOINTING**

If there is a sound of “di-di” during searching in DISC, it indicates that there is a metal target in the sound area. In this case, you can use “TARGET PINPOINTING” to pin-point the target. Hold the search coil 50cm or more away from the earth. Hold down the TARGET PINPOINTING button. i.e. the red button at the top of the handle. Sweep the search coil over the sound area and release the button when you hear a sound of “di-di”. After about 1- 2 seconds, hold down the red button again. If the “di-di” sound disappears, this means that the target is far away from the search coil. In this case, bring the search coil to the earth. Repeat the above steps until you find the target. After you find the target , make a choice from the following three operating modes to determine which kind of metal the target is.

## **DISC**

Set the mode switch to DISC and DISC/TONE to “0”. The unit will respond with a long “di-di” sound to both ferrous metal and non-ferrous metal. Turn the DISC/TONE clockwise to the position near 5. A short “di-di” sound will be heard for iron and nickel target. A long “di-di” sound will represent the detection of copper and silver targets. Turn the switch clockwise, nearing 10. Almost no sound will be heard for iron and nickel target. However, a short “di-di” will sound for copper and a long sound will indicate a silver target. Practice is required ensure accurate detection.

## **TONE**

Set the mode switch to TONE and DISC/TONE to “0”. The unit will respond with a high tone to both ferrous and non-ferrous metals. A low tone sounds for mineralized metals. Turn the switch clockwise to a position nearer to “5”. The unit will respond with a low tone to signify iron. A mixture of high and low tones represents nickel. A medium high tone indicates a copper target. A high tone represents silver. Turn the switch to a position nearer to “10” - both ferrous and nickel metal will be indicated by a low tone. However, a mixture of high and low

tones will represent copper. A high tone indicates silver. Practice with the metal detector is required to ensure accurate detection. Be sure to make notes during practice.

## **ALL METAL**

Set the mode switch to ALL METAL and the DISC/TONE to any position. The unit will respond with a tone to all metal.

Notes:

- If you encounter interference from TV, radio, electrical cables or other instruments in your searching area, set the FREQ ADJ to another position. Alternatively, lower the sensitivity, or change the current searching area.
- When searching in highly mineralized areas, the unit will sound even if there's no metal present. In this case, you can lower the sensitivity and increase the height between the search coil and the ground until the false signal disappears. If necessary, reset the DISC/TONE.
- When searching in trash-laden area, it's better to set the DISC/TONE to 5 position, so that the unit can ignore invaluable metals such as nails and small trashy iron.
- Remove any metal digging tools from the area while searching.
- You can search for all metal targets with "Target Pin-pointing". But if you're searching for small target near where a large metal object is buried, a false signal will appear. In this case, remove the large metal object.
- The higher the sensitivity level is, the worse the discrimination will be.
- You can move the search coil horizontally and vertically and make a cross at the sound point.

## CARE AND MAINTENANCE

Your metal detector is an example of superior design and craftsmanship. The following suggestions will help you care for your metal detector so you can enjoy it for years.



Handle the detector gently and carefully. Dropping it can damage circuit boards and cases. This can cause the detector to work improperly.



Use the detector in normal temperature environments only. Extreme temperatures can shorten the life of electronic devices.



Keep the detector away from dust and dirt to avoid any premature wear of parts.



Wipe the detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the detector.