

User Manual

VK10

Thank you for purchasing a VK-10 detector from VIKING. This is a microprocessor driven, motion metal detector that is very simple to use yet provides excellent performance.

Please take time to read this booklet. It will guide you through each of the available features to ensure you get the best out of your detector.

The term 'motion' used above simply means the search head needs to be kept moving in order to detect metal items. This allows the microprocessor to analyse the received signals and discriminate against poor quality metals. When a suitable target is detected, an audible 'beep' is heard either from the loudspeaker or headphones (if connected).

Getting Started

1. Unpack The Detector

There are two main sections. The 'S' shaft, onto which is mounted the control box, and the lower shaft with the search head attached.

2. Assemble The Detector

Slide the lower shaft into the 'S' shaft, wrapping the cable snugly, but not tightly, round the shaft. When correctly aligned it will click into 1 of 3 positions.

3. Tighten the coupling

Turn the coupling to the 'lock' position as indicated by the arrow. This ensures a rigid connection between the two parts of the shaft.

4. Insert Battery

The detector takes a single PP3 (alkaline) 9V

battery. This is placed in the battery compartment on the back of the control box.

ENSURE THE BATTERY IS INSERTED THE CORRECT WAY ROUND

Push the drawer back into the detector until it clicks. Please note the drawer can only be inserted the one way.

Your detector is now ready for use



Control Panel

1. Off / On - Discrimination Control
2. Sensitivity Control
3. Headphone Socket

1. Off / On - Discrimination Control

This control has two functions. When turned fully anticlockwise the detector is switched off. Turning the control clockwise will initially turn the machine on. Turning the control further clockwise will increase the discrimination setting of the detector. This is used to discriminate against unwanted metal targets. When turned fully anticlockwise (level 0), all metal targets will

be found. The further the control is turned clockwise the more discriminating the detector will be. When turned fully clockwise (level 10) only the most conductive metals (Silver and Copper) will be found. All other targets will be ignored. For general detector use it is not recommended to search with the discrimination control set to full as you may miss the most valuable targets. Items such as gold rings are not as conductive as a piece of copper and will be missed if the discrimination control is set too high.

2. Sensitivity Control

Turning this control will adjust the sensitivity setting of the detector. Maximum sensitivity is achieved when the control is turned fully clockwise. The ability of the detector to locate small or deep objects will increase with the sensitivity setting. In some environmental conditions the detector may produce false beeps which do not indicate a target. In this case it is recommended that the sensitivity setting is reduced until the problem is resolved.

3. Headphone Socket

This is situated on the front panel of the control box. The socket will accept a standard pair of headphones with a ¼" jack plug. The loudspeaker will be disabled when a plug is inserted into the headphone socket.

4. Adjustable Armrest

The armrest is fixed with a screw. Loosening this with a screwdriver allows the position of the armrest to be moved back and forwards. Push the armrest to the position that provides you with the most comfort for detecting and tighten the screw.

Using Your Detector

First, switch your detector on by turning the discrimination control clockwise until it clicks. Then turn the sensitivity control until it is at the level you require. Finally set the desired level of discrimination. Remember that with the discrimination set too high your detector will ignore many valuable targets, for example gold rings and much modern coinage. When starting out it is recommended that a medium setting of about 5-6 should be used. This will reject trash metals such as iron yet still detect all coinage. The detector will still detect ring pull-tabs and silver foil. With experience the setting at which most rubbish is ignored and desired objects are still found will become apparent. This can only be determined by trial and error and depends on the preference of the individual detectorist.

To detect, hold the detector by the handgrip with your arm in the rest. Lower the search head to the ground ensuring that it is flat to the ground. If you feel the length of the shaft or the position of the armrest are wrong adjust them now.

Keeping the head close and parallel to the ground, sweep it back and forth in an arc in front of you. The speed at which you sweep is not critical but remember that the machine is more likely to miss targets if you go too fast. Walk slowly forward as you sweep, allowing the area searched each time to overlap with that searched by the previous sweep to avoid missing targets.

The detector will emit a beep when an object is detected. This can then be pinpointed by repeatedly sweeping over it and noting where the head is when the sound occurs. More accurate pinpointing can be achieved by sweeping at 90° from the original direction. The

intersection of the sweeps that produce a beep is where the object lies.

Beach Detection

When detecting on beaches the detector will produce more false signals especially as you

near the water's edge. To overcome this, ensure the discrimination control is set to at least half way. The detector will always ignore iron, when used as described, on the beach.

Fault Finding Tips

Problem	Possible Cause	Remedy
No sound from speaker	Battery	Check battery is good & inserted correctly
	Headphones connected	Remove headphones
Unit does not detect	Sensitivity too low	Increase sensitivity
	Discrimination too high	Decrease discrimination
False Signals	Cable detection	Wrap cable snugly round shaft
	Noisy conditions	Reduce sensitivity
	Heavily mineralised ground conditions	Increase discrimination / Reduce sensitivity
Continuous tone from speaker	Processor hang-up	Reset machine*

*The machine can be reset by taking the following actions:

- Turn Power Off,
- Wait a few Moments,
- Turn Power On.

If you are experiencing any problems not covered by the above see page 7 for details of our warranty / repair service.

Caring For Your Detector

In order to keep your machine in good condition, please take the following precautions:

- When using in bad weather, protect the electronics in the control box by wrapping in a waterproof bag.
- Clean your detector regularly and ensure the shaft is free from dirt, especially sand. Use a damp cloth with mild detergent, but make sure no water gets into the control box.
- If the detector is stored for long periods remove the batteries. If they leak or corrode they could cause serious damage to the detector.

Warranty Service

Return of the enclosed guarantee card entitles the original purchaser to a full 2-year guarantee from the original purchase date. This covers parts and labour, excluding batteries. This does not, however, cover postage of the unit to or from our factory. This must be paid by the owner of the detector.

In the unlikely event that you do need to return the detector to us, please pack it securely along with a letter explaining the problem and a cheque for **£6.00** to cover return carriage and insurance to:

Viking Metal Detectors

1 Angela Street

Mill Hill

Blackburn

Lancs.

BB2 4DJ

Please make cheques payable to Viking Metal Detectors. If you are unsure about the fault please give us a call on **(01254) 55887** and we will be happy to advise you.

Code of Conduct for Responsible Detector Users

- 1.** Do not trespass. Ask permission before venturing onto any private land.
- 2.** Respect the country code. Do not leave gates open when crossing fields. Do not damage crops or frighten animals.
- 3.** Do not leave a mess. It is perfectly simple to extract a coin, or other small object, buried a few inches under the ground without digging a large hole. Use a sharpened trowel or knife to cut a neat flap (Do not remove the plug of earth completely from the ground), extract the object, replace the soil and grass carefully. Even you will have difficulty in finding the spot again.
- 4.** Help to keep Britain tidy - and help yourself. Bottle tops, silver paper and tin cans are the last thing you should throw down again. It is possible you will find yourself digging them up again in the future. Do yourself and the community a favour by taking the junk you find to the nearest litter bin.
- 5.** If you discover any live ammunition or other lethal objects such as an unexploded bomb or mine, do not touch it. Mark the site carefully and report the find to the local police and landowner.
- 6.** Report all unusual, historical finds to the landowner.
- 7.** Familiarise yourself with the law relating to archaeological sites. Remember it is illegal for anyone to use metal detectors on a scheduled ancient monument unless permission has been obtained from the historic buildings and ancient monuments commission. Also acquaint yourself with the practice of treasure trove.
- 8.** Remember that when you are out with your metal detector you are an ambassador for your hobby. Do nothing that may give it a bad name.
- 9.** Never miss an opportunity to show and explain your detector to anyone who asks about it. Be friendly. You could pick up some useful clues to the whereabouts of another site. If you meet another detector user, introduce yourself. You may learn much about the hobby from each other.