



White's Electronics (UK) LTD

Operator Manual

VC10 / AF109

Industrial Metal Detector

GENERAL DESCRIPTION

This unit is designed specifically for industrial use, but has features which allow it to be used for general explorations. The audio system is complete, offering either earphone or speaker operation.

Power is provided by: PP3 9 Volt battery. (VC10)
6 x AA Battery Pack (AF109)

One control only: ON/OFF/TUNER

2. BATTERY

To connect the battery: Remove battery compartment cover from back of instrument case by pushing back the flap protruding from the top of the case. Attach 9 Volt battery to snap-connector. Place battery in compartment and replace cover. Your detector is now ready to operate.

The battery is the life blood of your instrument. When not in use, please ensure that the battery is disconnected and kept in a cool place.

- A PP3 rechargeable battery could be used if preferred.
- Battery Check (AF109 Only) Press red button on control panel, to check battery life. Reading should be between 40 & 50, if below this battery needs replacing.

3. HEADPHONES

Greatest sensitivity or penetration is realised when using headphones. You cannot detect well when you cannot hear the audio changes properly. Headphones concentrate the sound and reveal faint audio changes that could not be heard without them.

4. ADJUSTING YOUR INSTRUMENT

The control adjusts the level of sensitivity as well as controlling the power switch. Very slowly rotate the control clockwise, and you will hear a distinct 'click'. Continue to turn control until a tone is heard in the speaker. When making these adjustments, hold the loop approximately 2-3 cm above and parallel with the ground and do not raise or lower the loop while doing so. There may be a sudden loud tone sound just as soon as the switch clicks on, for a few seconds duration. If so this is normal. As soon as the tone stops, continue to turn the control clockwise, until the tone again just starts to come in. The instrument is now ready for operation. It is a good policy to periodically adjust the tuning slightly. As you become more experienced with your new detector, you will begin to notice, just by differences in the tone you hear, whether the tuning needs to be adjusted. Remember, a properly tuned instrument ensures that maximum sensitivity is maintained.

NOTE:

If you are searching in an area of rough terrain, it may not be possible to search with your loop flat on the ground. In such cases, you should search with the loop slightly above the level at which you intend to search. It is important to note here that if the loop is raised above the height at which the detector was tuned, a loud tone may be emitted from the speaker. Yet, if the instrument is tuned with the loop higher than necessary, this may result in unneeded loss of detection depth. In both instances, these reactions will interfere with your ability to locate buried objects.

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To comply with European Legislation (Directive WEEE) this unit must not be disposed of, at the end of its useful life, in any waste bin or landfill site but must be returned to any White's Dealer/Distributor for proper disposal under the legislation.

Please contact White's Inverness for details of your nearest dealer/distributor



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LISTEN FOR THE TONE

The tone coming from the speaker of your detector will tell you where the objects are located. When you hear a sharp bleep or an increase in the volume of the tone the loop is over an object. Generally, the volume will be loudest when the centre of the loop is directly above an object. Some large metal objects can cause the detector to overload (no sound), if too close to the object. Raising the loop slowly until the sound is heard will help in, approximately, determining the size and depth of the object. An exception to this rule, however, is a coin buried on its edge. In this case, the volume will be loudest when the edge of the loop passes over the coin, thus causing a double sound when detected.

SEARCHING WITH YOUR DETECTOR

To locate hidden or buried objects with a properly tuned detector, systematically swing the loop from side to side across the area you are working. For maximum performance when searching, you should always try to keep the loop at a constant height above, and as close to the ground as possible, following the tuning instructions, as described earlier in this manual.

PROPER CARE OF YOUR DETECTOR

a. Cleaning:

The loop is waterproof and can be cleaned with fresh water and a mild detergent. After cleaning, dry thoroughly.

b. Weather conditions:

Protect your detector from excessively cold weather. Freezing can damage the electronic components, the case and/or the batteries. Excessive heat can also damage the instrument. Never leave it lying in the sun. When not in use, keep it in the shade, or covered.

WARRANTY

If within 12 months (1 year) from the original date of purchase your White's Metal Detector fails through normal use or due to defects in either material or workmanship, White's Electronics (UK) Ltd will repair or replace, at its option, all necessary parts without charge for parts or labour.

Simply return the detector to our factory in Inverness, Scotland, giving details of the fault.

Item excluded from this warranty are non-rechargeable batteries, headphones and other accessories.

The warranty is not valid unless the Warranty Registration Card is Returned or submitted online at <http://whites.co.uk/warranty.html> within 10 days of original purchase for the purpose of recording the date, which is the actual commencement date of this warranty.

Duration of any implied warranties (merchantability and fitness for a particular purpose) shall not be longer than the stated warranty.

Neither the manufacturer nor the retailer shall be liable for any incidental or consequential damages, resulting from defects or failures of the instrument to perform.

The warranty does not affect your statutory rights.

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