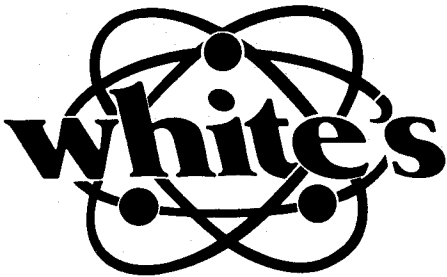


**OPERATOR'S
INSTRUCTIONS**

AMPHIBIAN



**A Message from
Mr. Kenneth White, Sr.
President, White's Electronics**

Congratulations! You are now the proud owner of one of the world's finest metal detectors. You'll enjoy the many relaxing hours you'll spend with your new detector.

1. Your new detector is precision-made and has been carefully tested at our factory. Properly cared for, it will last for years and years. Treat it like a good friend and it should never let you down.

2. Any piece of fine equipment is only as good as the person operating it. Right now your detector is "smarter" than you, so you've got some catching up to do. Become very familiar with your instrument. Practice as much as you can. Soon it will become a part of you.

You and your metal detector will make an outstanding team. We've known many "shooters" who could follow in the tracks of others and find buried coins and rings the others had missed. You've got the equipment to out-shoot most anyone. Now all you need is the practice.

Good Hunting,

A handwritten signature in cursive script that reads "Kenneth White". The signature is written in dark ink and is positioned below the "Good Hunting," text.

Kenneth White, Sr.

INDEX

OPERATOR'S INSTRUCTIONS	4
UNDERWATER OPERATION	4
SEARCHING FOR METAL	5
IMPORTANT NOTES	5
REPLACING THE BATTERY	5
PROPER CARE OF YOUR DETECTOR	6
HELPFUL HINTS AND TIPS	6
SERVICE AND WARRANTY INFORMATION	7
WARRANTY	7

SPECIFICATIONS

USES: Underwater Metal Detection (Can be used in fresh or salt water).

SUBMERSIBLE: To 75 feet.

SEARCHCOIL: 6" zero buoyancy.

POWER REQUIREMENT: 9 Volts DC.

WEIGHT: 34 oz.

OPERATING FREQUENCY: 12.5 KHz

OPTIMUM TEMPERATURE RANGE: 33° - 100°F.

SPECIAL FEATURE: L.G.C. - Limited Ground Cancellation.

OPERATOR'S INSTRUCTIONS

To operate the instrument, proceed as follows:

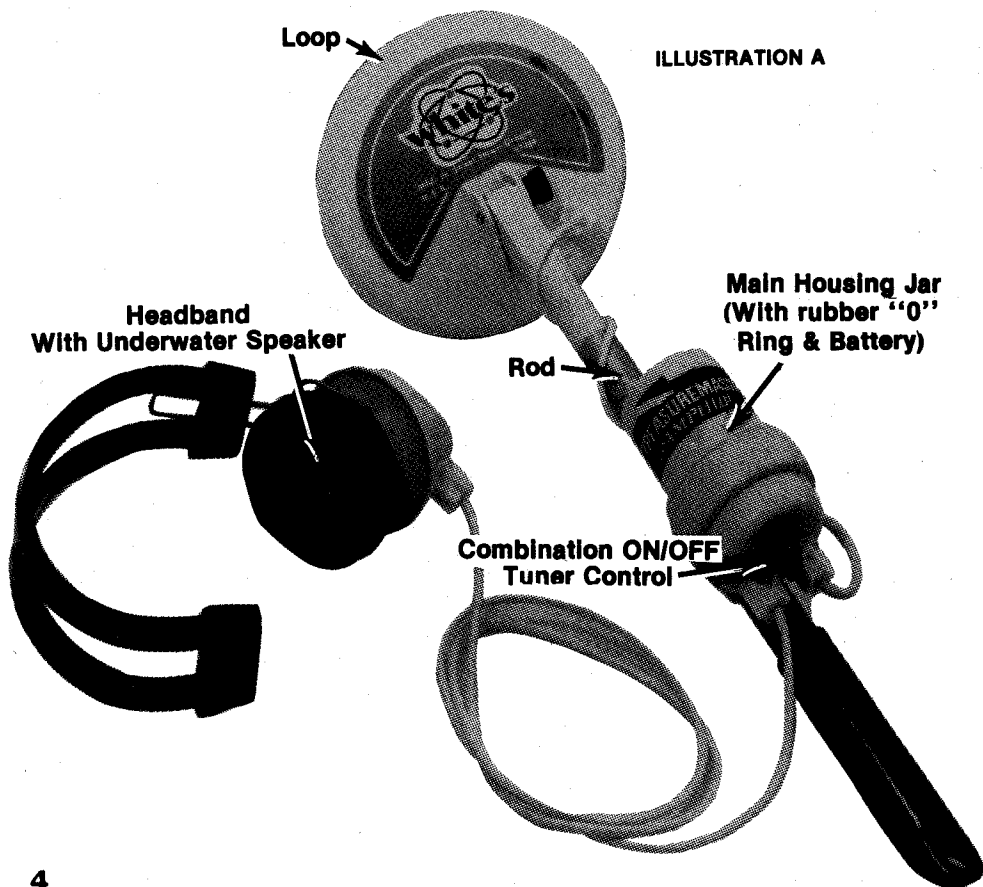
1. Slip on the headband, with the underwater speaker, so it is over the ear.
2. Locate the Control Knob. This control is both a switch, (power on-off) and tuner control. (Illustration A)
3. Next, rotate this control to the right (clockwise) - you should hear a click - to turn the unit on, and then keep turning until a low tone is heard. This will put the control at the "tone threshold", its most sensitive position. NOTE: On some units there may be a point on the tuner where you could get a motorboat sound, continue past this point and ignore the motorboat sound.

NOTE: Be sure the loop is away from any metal object when tuning.

4. The instrument is now ready to operate.

UNDERWATER OPERATION

The null of the instrument can shift slightly due to water temperature and salt concentration. This does not affect the instrument's operation or sensitivity as long as you can still obtain a "Threshold" setting. Readjust the tuner for threshold as in Step 3 of Operator's Instructions, if necessary.



SEARCHING FOR METAL

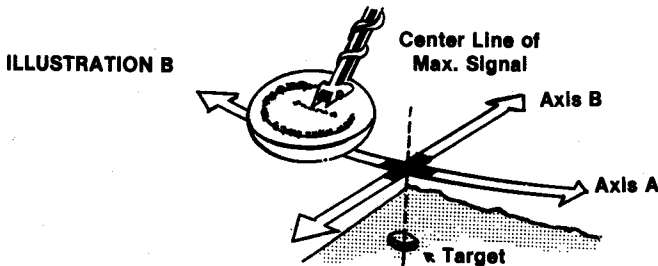
With the control adjusted as described above, you are adjusted to detect both ferrous and nonferrous METALS.

When you pass the loop near any metal, the volume of the tone will increase as you go across it, and then decrease as you move away. The loudest reading will be when you are directly over the object. The volume will stay loud as long as the loop is held close to the object, and will decrease in volume as you move past the object.

NOTE: When the loop is moved to near a large metal mass - The tone may "Drop Out" This is normal.

It is a good policy to periodically stop and readjust the tone threshold of your instrument slightly. As you become more experienced, however, you will begin to notice whether or not the tone threshold needs to be readjusted just by the difference in the tone you hear.

After you have located an object you may "Pinpoint" it using the method shown. (Illustration B). Move the loop across the target to find the strongest signal on Axis A and Axis B. The target will be located at the crossing of the two Axes where the signal is the strongest.



IMPORTANT NOTES

NOTE: This Instrument has a limited range automatic ground cancelling circuitry that allows you to have better depth and easier operation over mineralized soil and sand.

1. When finished using the instrument, be sure to rotate the Control left (counter-clockwise), to the OFF position.
2. After using the instrument in salt water, it should be rinsed off to remove the salt brine from the case and particularly from all metal parts.
3. The rubber "O" Ring should be kept clean and a light coating of silicone grease applied to insure a watertight seal. The silicone grease can be obtained at electronics shops or automotive stores.

REPLACING THE BATTERY

This instrument is powered by one 9 volt battery. To gain access to this battery, and to replace it, proceed as follows:

1. Unscrew the main housing jar. (Illustration A)
2. Be careful as the plastic housing separates, handle the unit carefully, paying attention to how it should go together again.
3. Remove the BATTERY and install the new battery to the battery clip.
4. We recommend using alkaline batteries for longer battery life.

CAUTION: Be careful not to break the leads to the battery during disassembly or assembly!

5. Apply a light coating of silicone grease to the rubber "O" ring.
6. Screw the housing on snugly, to insure a watertight seal.

IMPORTANT

When putting your instrument away, care should be taken to see that the switch is not accidentally left on, as this will discharge the battery if left on over several hours. If you are going to store the instrument for a long period of time, it is a good policy to disconnect or remove the battery.

PROPER CARE OF YOUR DETECTOR

The following are precautions you should take to protect your instrument from harm, insure its long life, and avoid nullifying the warranty.

CLEANING: The detector can be cleaned with fresh water and a mild cleanser. After cleaning, however, dry the instrument thoroughly. **CAUTION:** Water, if allowed to enter the instrument case, may damage electronic components.

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 in the sun. It's best to lay it in the shade when temporarily not in use. If it's left in a car on a hot day, cover it with a blanket or something similar to protect it from the direct rays of the sun, and then leave the windows slightly open to permit ventilation.

SALT WATER: Salt water is very corrosive! Immediately after your detector has been exposed to salt water, rinse it thoroughly with fresh water, being careful not to allow water to enter the instrument case. Then wipe it with a cloth dampened with fresh water and dry it thoroughly.

STORAGE: If you plan to store your detector for any length of time, unsnap the battery and remove it from the instrument. Whenever your detector is not in use, turn the **VOLUME** knob all the way to the "POWER OFF" position.

HELPFUL HINTS AND TIPS

1. "How deep will it go?" Detection depth is determined by these factors.
 - a. The **SIZE** of the object.
 - b. The **SIZE** of the loop.
 - c. The **LENGTH OF TIME** the object has been buried.
 - d. The **SKILL** of the operator.
 - e. The ground **MINERAL CONTENT**.

The longer an object has been buried, the better you will be able to detect it. A chemical reaction called a "halo effect" between such objects as silver or copper coins and the surrounding soil may cause your detector to register a much larger increase in volume than might otherwise be expected for a small coin.

2. "What will my detector locate?" Silver, lead, copper, bottle caps, tin foil, pull tabs, cartridge cases, rings, brass and tin cans are just a few of the conductive objects that can be detected. Your detector will not locate sticks, rags, bones, paper, wood or other non-metallic objects.
3. Learn how to interpret the different types of responses from your detector. A nail will sometimes produce a double or single reading depending upon whether your loop passed across it lengthwise or across its width. So it's a good idea to sweep your finds from several different directions to try to learn as much as possible about the object you have located. Coins will usually only produce one reading regardless of sweep direction.

SERVICE AND WARRANTY INFORMATION

If your metal detector is ever in need of service, ship it to the factory or one of our service centers. For the name, address and telephone number of a local service center call Toll Free: 1-800/547-6911.

Insure it fully, prepay the charges and enclose a letter describing the nature of the problem. When the matter is corrected the instrument will be returned as soon as possible. As long as your instrument is under warranty, there is no charge other than a small handling and postage fee.

Read your warranty card carefully. It describes completely what is covered and the length of the coverage. If you have any questions, don't hesitate to write the factory.

SERVICE CENTER INFORMATION

**CALL TOLL FREE
1-800/547-6911**

WHITE'S ELECTRONICS LIMITED WARRANTY

If within ninety days from original date of purchase, your White's detector fails through normal use and due to defects in either material or workmanship, White's Electronics will repair or replace, at its option, all necessary parts without charge for parts or labor. Simply return the detector, with all transportation charges prepaid, to the nearest White's Electronics Service Center or to the factory headquarters. Include a description of the problem, plus \$5.00 for return postage, handling and insurance.

Items excluded from this warranty are batteries, charger, rechargeable batteries, and other accessories.

The warranty is not transferable. Nor is it valid unless the Warranty Registration card enclosed in the shipping package is returned to the factory address below within ten (10) days of original purchase of recording that date, which is the actual commencement date of the warranty. The warranty does not cover damage to detectors caused by accident, misuse, neglect or unauthorized service.

Duration of any implied warranties (e.g. 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. Some states, however, do not allow limitations on the length of implied warranties, or the exclusion of incidental or consequential damages. Therefore, the above limitations and exclusions may not apply to you. In addition, the stated warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**WHITE'S ELECTRONICS, INC.
1011 Pleasant Valley Road
Sweet Home, OR 97386 U.S.A.**

white's electronics, inc.

1011 Pleasant Valley Road Sweet Home, Oregon 97386

P/N 621-0210

Printed in U.S.A. 3/81