

OPERATOR'S MANUAL

COINMASTER 3900/Dx Professional

ATTENTION

To use your 3900/Dx under average conditions, set each of the controls to their  position.



Congratulations!

You have just purchased one of White's finest metal detectors. The 3900/Dx Professional is FANTASTIC, and EASY TO USE! I am quite sure you are going to love your model.

Just set each control to ∇^P , and you're ready to locate buried treasure. This symbol represents our PRESET position on each control.

White's understands that most people will want to get right out and use their new metal detector. That's why we marked each control with a PRESET position. We had our engineers design the detector to operate well under average conditions when set at the PRESET levels.

We know many treasure hunters enjoy fine tuning their instruments for their specific hunting requirements and special hunting area so we have provided controls that assist in getting maximum performance from your 3900/Dx under varying conditions.

We hope that this operator's manual answers further all of your questions about the 3900/Dx Professional. If you have any questions, ask your dealer-he's ready and willing to help you. Your metal detector can give you years of fun, and an interesting collection of treasures. We wish you good luck and hope that you'll write to us about your success.

Good Hunting,

A handwritten signature in black ink that reads "Kenneth White". The script is fluid and cursive, with the first name "Kenneth" and last name "White" clearly distinguishable.

Kenneth White, Sr.

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CODE OF ETHICS

Treasure hunting is the kind of new hobby that fires the imagination and generates its own enthusiasm. It's the most natural thing in the world to want to dig as fast as you can the minute you hear that first loud unmistakably "good" signal. It will be a real thrill to discover there's treasure right beneath your feet!

But wait a minute! We strongly urge you to adopt a code of ethics which will preserve the environment and also the rights of treasure hunters to operate detectors with as few restrictions as possible.

Before you even begin a search, check the law, ordinance or regulations about hunting on publicly owned sites. Abide by the rules. If the area is private property, get written permission from the owner to search it. You may find he will be more eager to give permission if you suggest sharing your finds with him, or if you offer to search for a specific item he has lost.

ABOUT DIGGING: In lawn areas limit the size of the hole to a maximum of two inches in diameter, cutting a plug of sod which can be easily replaced. After you take your finds, be sure to carefully fill the hole. **HOLES ARE BOTH UNSIGHTLY AND DANGEROUS!**

Detectors designed for locating large and deeply buried objects should be used with discretion - never in the lawn area, and with careful judgement in other locations. Consider the scar you may leave, before you start digging. This will vary a lot from one part of the country to another, depending on local soil and climatic conditions. Public officials and private property owners will be much more likely to allow continued treasure hunting if you do no environmental damage. You may even be able to increase your reputation as an ethical hunter by volunteering to carry out and dispose of whatever trash items you find.

Adoption of these attitudes can only enhance the public's opinion of treasure hunters and assure that many areas, both public and private, remain open to you and your new detector.

INTRODUCTION

Ahead of you are exciting experiences you'll never forget. For years to come you'll have yarns to spin about the places you'll visit, the people you'll meet, the history you'll learn, and the treasures and relics you'll uncover. We envy your journey and wish you every success.

Before we tell you how to assemble and operate your instrument there are some important points to consider:

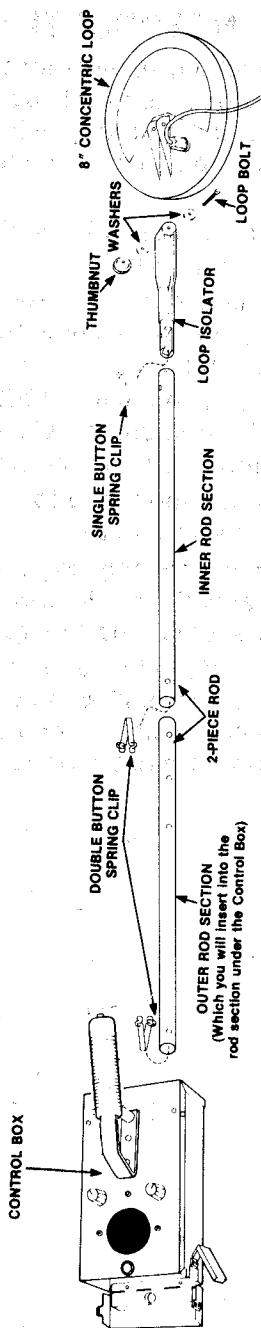
- a) Your new detector is precision made and has been carefully tested at our factory. Properly understood and operated, it will perform to your satisfaction.
- b) Your detector is equipped with PRESET . When these presets are used, the instrument will operate well under most conditions even without reading the instructions!
- c) This instrument can be fine tuned for special ground conditions or to maximize your performance.

Any piece of fine equipment is only as good as the person operating it. 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 "Treasure Hunters" who could follow in the tracks of others and find valuable items the others had missed. You've got the equipment to out-hunt most anyone. Now all you need is the practice.

PARTS IDENTIFICATION AND ASSEMBLY

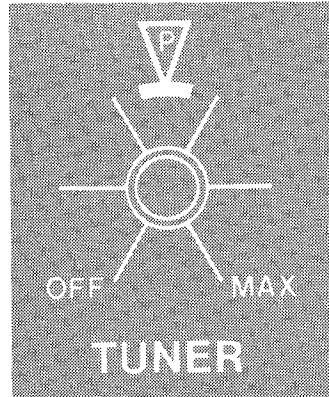
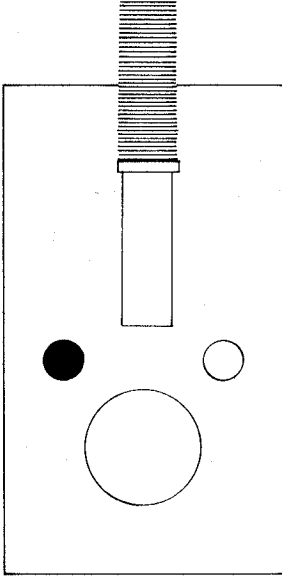
BATTERY



Wind first revolution of cord over top of loop isolator

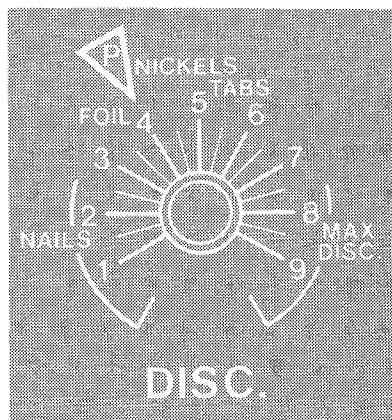
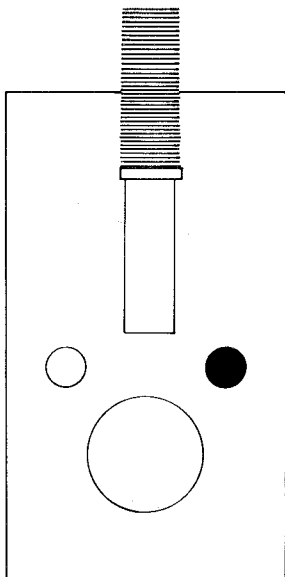
COINMASTER 3900/Dx Professional
Assembled and ready to go!

EXPLANATION OF CONTROLS: TUNER



1. The TUNER turns the instrument on, and sets the detector's THRESHOLD.
2. The THRESHOLD is indicated by an audio tone that is barely heard. It represents the detector's maximum operating sensitivity.
3. To set the THRESHOLD:
 - A. Hold the detector so that its loop is in the air, straight out in front of you, waist high.
 - B. Turn the tuner to the right until a tone is barely heard.
4. THE THRESHOLD NEEDS TO BE RESET WHENEVER THE OTHER CONTROL IS ADJUSTED. To reset the THRESHOLD, raise the loop waist high press and release Push Button Tuner. This keeps the instrument in tune.

EXPLANATION OF CONTROLS: DISC



1	← <u>DISC KNOB RANGE (AUDIO)</u> →				9
NAILS	RINGS				
	FOIL	NICKEL	TABS		

Comparison chart to illustrate the effective ranges of the DISC knob.

1. The DISC (Discrimination) control works to help audibly distinguish between desirable and undesirable targets. (Treasure and Trash).

The DISC control allows the user to selectively interpret targets within the range of the above chart. The user sets the discriminate point with the knob, slightly below the desired target (see above chart).

The audio response of targets ABOVE the DISC set point produce louder tones. Targets below the set point produce softer or broken tones or no tone at all.

EXPLANATION OF CONTROLS - DISC . . .Cont.

EXAMPLE: With the DISC control set at ∇^P ®, nickels and all other U.S. coins will produce a louder solid tone, nails and other iron junk will produce a broken, softer tone.

2. Discrimination should be used only as necessary to avoid passing over desirable targets.

EXAMPLE: When the DISC control is set to reject Pull Tabs or the U.S. nickel, some gold rings and other valuable items may also be rejected.

EXPLANATION OF CONTROLS: PUSH BUTTON TUNER

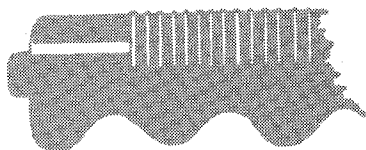
The 3900/Dx is a two mode detector.

OPERATIONAL MODE "A" IS GEB DISC — Ground Exclusion Balance Discrimination. The mode the detector is automatically in when turned on.

OPERATIONAL MODE "B" is GEB NORM — S.A.T. -Ground Exclusion Balance Normal. The mode the detector switches to when the Push Button Tuner is pressed and held. If the Push Button Tuner is pressed and released the detector temporarily switches to the GEB NORM MODE adjusts its threshold and returns to GEB DISC MODE. S.A.T.- Self-Adjusting Threshold, a feature of the 3900/Dx Professional.

Automatically resets threshold continuously for changing ground conditions or drift.

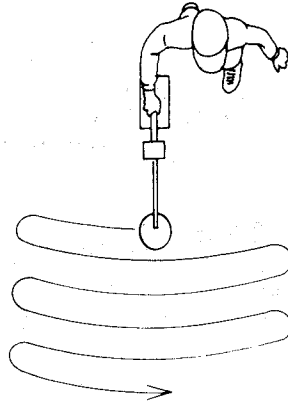
EXPLANATION OF CONTROLS: PUSH BUTTON TUNER Cont.



PUSH BUTTON TUNER NORMAL	PUSH BUTTON TUNER PRESSED
OPR MODE A	OPR MODE B
GEB DISC	GEB NORM

1. The PUSH BUTTON TUNER is a control that changes the detector's operating mode. The above chart shows this change:
 - a . Retuning: Regain THRESHOLD by pressing and releasing the PUSH BUTTON TUNER. THIS MUST BE DONE AFTER EITHER CONTROL HAS BEEN ADJUSTED.
 - b . Mode Changing: Whenever the PUSH BUTTON TUNER is pressed and held, the instrument switches to the GEB NORM mode, zero discriminate with Self-Adjusting Threshold.
2. GEB NORM mode (Push Button Tuner held) is an all metal mode (zero discriminate). Self-Adjusting Threshold is activated as an aid to pinpointing. Slight motion will be required for detection.

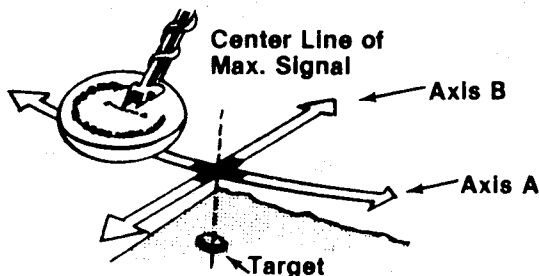
SEARCH METHODS



1. Always keep the loop flat and parallel to the ground. When raised, the depth penetration is decreased.
2. Swing the loop in front while searching. Each swing may cover an area from 4-6 feet in width.
3. The loop should be passed along the ground in smooth, even swings. It does not have to be swung quickly.
4. When a target is detected, sweep it from several directions, noting its Audio and Visual characteristics.
5. The loop must always be in motion in order for the instrument to detect.

SEARCH METHODS. . .Cont.

PINPOINTING



DE-TUNING METHOD

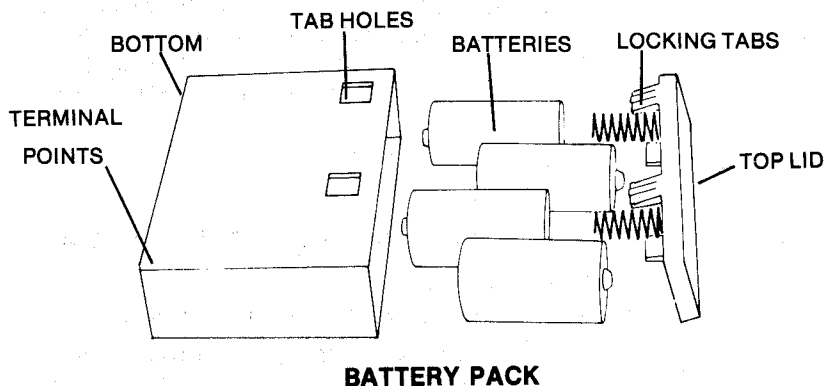
1. Pressing and releasing Push Button Tuner will detune the detector as you move the loop over the target area. The Self-Adjusting Threshold feature will automatically narrow the detectors response to the target so it will be easier to know when the center of the loop is directly over the target. The target will be at the center of the "X" (see illustration). Maintain a slow sweep when pinpointing.

Accurate pinpointing makes recovering objects easier; it minimizes the possibility of damaging the object; and, it minimizes damage to the area. Pinpointing is an important part of successful treasure hunting. Experience will help you develop personal techniques.

BATTERIES

The standard battery pack holds four ALKALINE batteries. ALKALINE BATTERIES ARE THE ONLY BATTERIES RECOMMENDED FOR THIS INSTRUMENT. To insert these batteries, proceed as follows:

1. Remove the battery pack from the instrument.
2. Remove the battery pack lid by gently pulling the top sides of the pack apart until the lid springs up.
3. Note the position of each cell. (The flat end of each cell fits against one of the 4 springs.)
4. Remove the dead batteries and replace them with the new ones. (If the cells are put in backwards, the detector will not work.)
5. Line up the locking tabs on the lid with the holes on the battery pack. Snap them together.
6. Insert the battery pack into the detector. The two terminal points must touch the pointed contacts inside the instrument.



CAUTIONS ABOUT THE BATTERIES

1. Do not dispose of batteries in a fire.
2. Non-rechargeable batteries may explode if they are recharged.
3. Store batteries in a cool, dry place.

LOW BATTERY ALERT

The LOW BATTERY ALERT is a light that glows when the batteries are low and need replacing.

PROPER CARE OF YOUR DETECTOR

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

CLEANING: The loop and rod or probe are waterproof. They can be cleaned with fresh water and a mild cleanser. After cleaning, however, dry the instrument thoroughly. **CAUTION:** The instrument case is not waterproof, and water - if allowed to enter it - will 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. If it's left in a car on a hot day, cover it to protect it from the direct rays of the sun, and then leave the windows slightly open to permit ventilation. Protect your detector if you operate it in the rain, as water may get into the instrument case.

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.

ADDITIONAL PRECAUTIONS:

- a. Avoid dropping your detector.
- b. Do not use any lubricants on any part of your metal detector.
- c. Avoid sharp jars to the loop.
- d. Do not allow batteries to corrode inside the instrument.
- e. Do not alter or modify your instrument during its warranty period. Alterations will void the warranty.

A NATIONAL SERVICE PROGRAM

THE SERIAL NUMBER IS ON THE SILVER TAG INSIDE THE BATTERY COMPARTMENT.

THE CODE NUMBER IS ON THE WHITE TAG.

White's Electronics has always been concerned with the absolute quality of its mineral/metal detectors. Service after-the-sale is also of equal importance. In an effort to further the quality of service to our customers, White's reorganized its warranty service program significantly. There are now four factory authorized National Warranty Service Centers located regionally around the continental U.S. These Service Centers are identical to the Factory Service Center in Sweet Home, Oregon. In order to ensure you will get the finest service possible for your detector, the technicians in each National Warranty Service Center are Factory trained and given on-going training for new products and improved service techniques. They can also repair your out of warranty instruments with efficiency and timeliness.

Simply return the detector to the dealer where you purchased the unit. The unit must be accompanied by a completed service coupon provided by your dealer. You must provide proof of date of purchase before the unit is shipped.

If the unit has failed within the first 90 days of purchase, shipping will be prepaid.

If the unit fails after the first 90-day period, the customer is responsible for shipping costs. Please also include \$5.00 for return postage, handling and insurance.

Any repair work performed by other than a White's National Warranty Service Center will automatically void the warranty.

If a problem occurs with your metal detector, first contact the White's dealer who sold it to you. In many cases your dealer can solve the problem. If not, the dealer will have your detector repaired under the Warranty Program. All of White's National Service Centers, located throughout the country, are owned and operated by factory trained technicians. These centers are fully equipped and the personnel fully trained with on-going programs at White's in order to service your mineral/metal detector. With this program, the average repair time has actually been reduced from weeks to days!

TO LEARN THE NAME AND LOCATION OF YOUR NEAREST WHITE'S DEALER CALL: TOLL FREE 1/800/547/6911

WHITE'S ELECTRONICS' LIMITED WARRANTY

If within two years (24 months) from the original date of purchase your White's detector fails through normal use or 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.

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

The warranty is not transferable. Nor is it valid unless the Warranty Registration Card is returned to the factory address below within ten (10) days of original purchase for the purpose 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, alterations, modifications 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.

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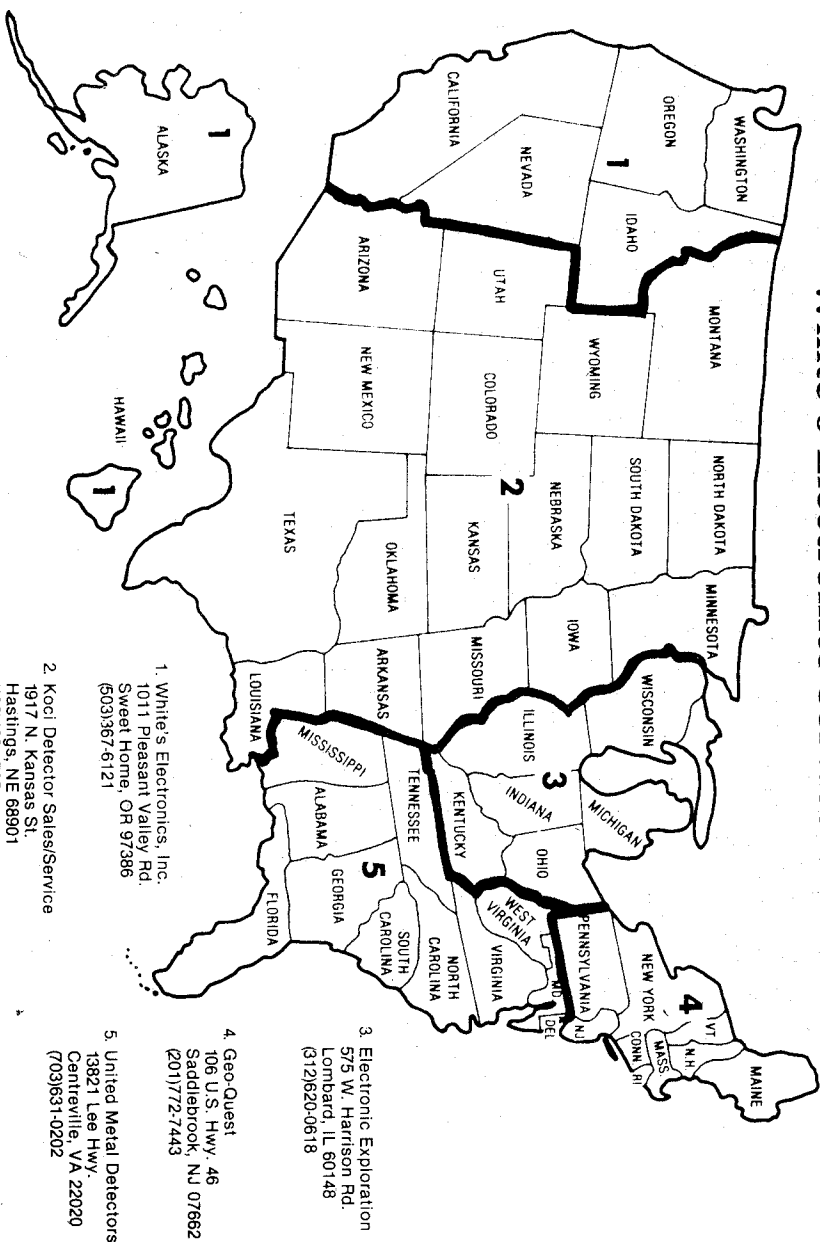
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White's Electronics Service Centers



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