



HEADHUNTER

L A N D P R O

Owner Instruction Manual

DETECTORPRO™

innovative treasure hunting concepts

INTRODUCTION



L A N D P R O

Thank you for buying our **HEADHUNTER LANDPRO** metal detector. You have purchased one of the most compact land metal detectors in the world. Not only does this metal detector contain today's most innovative electronics, it is the first land detector that has all the electronics built into the headphones and features a built-in target locating **probe** operating at full-detection power. By eliminating a control housing, weight of the detector is significantly reduced and so is your arm fatigue. When you travel, the **HEADHUNTER LANDPRO** also takes up very little room. All of this is possible because of our innovative micro circuitry and packaging design.

HEADHUNTER LANDPRO opens up a whole new world of excitement. Thousands of valuables are continuously lost each year and you can now start finding them. Learn the operation of your new metal detector well, do site research, obey the law, and respect the rights of others. If you do all of the above, you will have an enjoyable, successful hobby that will give you pleasure and relaxation for years to come.

Happy hunting and good luck,
Gary Storm

TERMINOLOGY

If you are new to metal detecting, we have provided definitions below to help you better understand terminology used in this manual. The following was reprinted with permission from: **DETECTORIST**, A How-To Guide to Better Metal Detecting, by Robert H. Sickler.

AIR TEST - A test to determine the maximum sensitivity a metal detector is capable of under ideal conditions. Various sized metal samples are held beyond the searchcoil bottom at varying distances to determine the limits of audio or visual response. Air tests are not accurate indicators of ground penetration ability. (see **BENCH TEST**)

ALKALINE - A grade of battery composition which sustains higher current drain and possesses a greater shelf life than basic carbon-zinc types.

BENCH TEST - Another form of air test used to define which discriminate settings accept or reject various target samples. Detector is placed upon a stationary, nonmetallic rest and samples are manually passed across the bottom of the searchcoil.

CARBON-ZINC - The standard or basic grade of drycell battery.

DISCRIMINATION - Circuitry and the mode of operation in which audio or visual responses from undesired metal objects are intentionally eliminated.

GROUND BALANCE - A condition or mode of operation in which the detector is adjusted to optimally reduce the interference that ground mineralization has on metal targets.

MOTION DISCRIMINATOR - A detector requiring constant searchcoil motion to reduce the effect ground mineral interference has on its discriminate function.

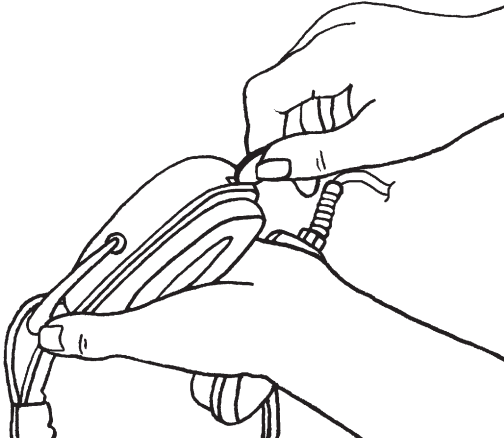
PINPOINTING - The act of aligning the center of target response width to the designated searchcoil center for accurate location and careful recovery.

SENSITIVITY - The measure of a metal detector's capacity to sense changes in conductivity throughout the pattern of detection set forth by the searchcoil configuration. (see **AIR TEST**)

TARGET - Any buried or hidden object which a metal detector responds to.

VOLUME CONTROL - A metal detector control which regulates the loudness of target response.

BATTERIES & MAINTENANCE



Battery Replacement:

Your **HEADHUNTER** metal detector operates with two, 9-volt standard batteries (not supplied). Hourly use can be extended by using 9V Alkaline batteries.

To add or replace batteries, place a coin in the slot provided on the bottom of the headphone earcup without the controls and turn like you would a door key. The earcup will separate thus exposing the battery compartment. Note the placement of the worn batteries before removal. Remove the old batteries and insert two fresh 9-Volt batteries into the connectors.

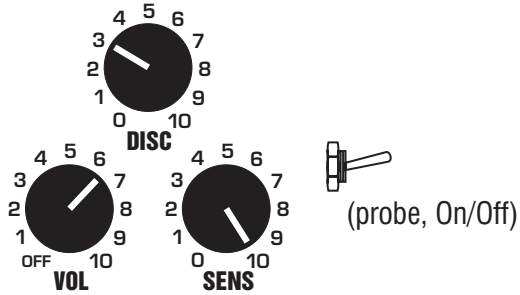
After batteries have been installed, carefully align the earcup halves and press until a solid "snap" is heard. Make sure battery connector wires are well inside of the seal area and do not get pinched on reassembly.

Note: LANDPRO model is not designed for water use. LANDPRO models do not have a battery check system. They can be operated continuously up to 50 hours on a fresh set of alkaline batteries. The operator is advised to keep track of time logged on each set of batteries to avoid shutdown in the middle of a hunt. Always carry fresh batteries as a backup on every hunt. This is common practice with all detectors, with or without a battery check system.

Maintenance:

1. Store your detector in a cool place.
2. Never store it in a manner that it will be subject to vibration or shock.

CONTROLS



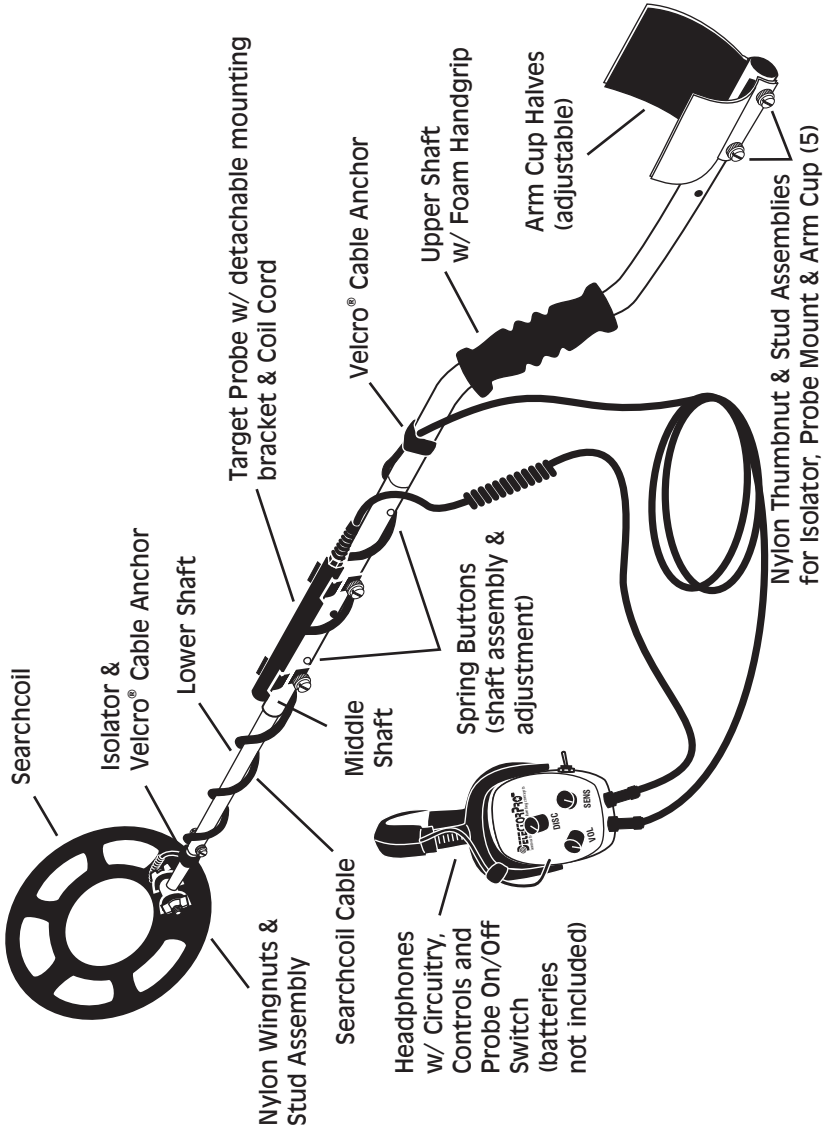
HEADHUNTER LANDPRO models have three controls and one toggle switch for the micro-encapsulated circuitry located in one sealed earcup of the headphones. Batteries are found in the other earcup and are user accessible.

The Discrimination (**DISC**) control has "stay-put" segmented position adjustments. The Volume (**VOL**) and Sensitivity (**SENS**) control adjustments are continuous and not segmented.

Segmented controls allow the operator to make adjustments without removing the headphones to view the position numbers. Once discrimination points are learned, the operator simply moves the control to the zero stop position and counts the segment clicks to make the desired adjustment. This only requires learning where the three controls are located and the starting points of each control. The control earcup should be worn on the side of the head opposite the arm used to sweep the searchcoil rod — thus giving a free hand to comfortably make adjustments. The Sensitivity control can be adjusted backwards from maximum ("10") to lessen the effects of ground mineralization and small surface trash. Obviously the Volume control is set to the user's preference and does not require a secure position. The "stay-put" segmentation of the Discrimination control is the most user critical. Having this control accidentally lose adjustment could possibly make you lose some valuable targets if set too high.

The **toggle switch** diverts full detection power into the shaft-mounted probe to aid in accurate target location and non-damaging recoveries (see Operation page).

ASSEMBLY – LANDPRO



OPERATION

Operating Instructions:

The **HEADHUNTER** metal detector is one of the simplest metal detectors to use. It employs fully automated, ground balanced motion-discrimination circuitry. The searchcoil must be in slight motion to maintain audible target signal. The following is the basic startup procedure.

1. Turn **HEADHUNTER** power ON. Set Volume to level where you can hear target signals comfortably. This can be accomplished by passing a coin back and forth under the searchcoil. The 2-position toggle switch allows you to change between the detector and probe. Test your coil over a coin to determine the correct position for normal operation. The connectors are interchangeable, but you may wish to plug your coil and probe cables into the same connector each time to keep consistent which toggle position operates the detector or probe.
2. Turn the Sensitivity control fully clockwise to the maximum level. If you hear chatter or static, reduce level until no interference is audible. In highly mineralized ground, it may be necessary to reduce sensitivity. Your **HEADHUNTER** is equipped with a quality "stay put" segmented potentiometer for the Discrimination control. Sensitivity and Volume are continuous turn controls. The Sensitivity and Volume adjustments should be made according to how your detector reacts in varying mineralized ground.
3. Next adjustment will be setting the Discrimination level. After learning where undesirable items will be discriminated out. You can adjust this before hunting by passing examples of unwanted targets under the searchcoil and adjusting accordingly. Or you can adjust in the field after retrieval of unwanted items. If you want to change Discrimination levels once operating without having to view the control, just simply count knob clicks from the "0" position. Again, bench testing will teach you what click count setting certain objects are eliminated from audio.
4. Swing your coil back and forth slowly over the ground. Keep the coil as close to the ground as possible. Solid sounding audio signals should always be investigated. Rough pinpointing a target is accomplished by raising

(continued on page 8)

OPERATION

the searchcoil off the target and slowing the sweep until the audio signal is centered under the coil in opposing sweep directions. Remove a small plug of soil in the target area to start.

5. Remove the probe from the shaft and flip the toggle switch on the earcup to activate the probe. Move the probe around to accurately locate your target on the sides or bottom of your recovery hole. If the target is not heard, remove more soil. This provides superior location ability which can greatly aid in non-damaging recoveries to targets and lawns! Don't forget to flip the toggle back to detector operation after target recovery.
6. Please remove and dispose of all trash you find. No one likes digging it up more than once!
7. With experience you will easily become professional at retrieving finds with the LANDPRO Probe.

Land Detecting

Hunting coins, jewelry and relics with the **HEADHUNTER LANDPRO** is not only fun, but very rewarding. People have been losing objects since the human race began. You now can start finding your share of these lost valuables with your **HEADHUNTER** metal detector.

Most detectorists look for coins and jewelry. Most old towns have a picnic area, park or recreational area. Most public areas are littered with trash objects. We suggest you use as little discrimination as possible to avoid rejecting valuable targets with conductivities similar to trash such as some small gold rings and pull tabs. When you first get your detector, bench testing it with various sizes of gold and silver rings, coins and trash items will train you how much discrimination will be needed and at what numerical settings. When you make your first hunt, we suggest not using the discriminator at all until you gain some trash retrieval experience. In time you will learn how to retrieve better targets based on sound character and sometimes volume. There are many good books on the market that teach hunting with a metal detector. We suggest you learn all you can by reading about the many different searching and retrieval techniques. However, nothing will replace gaining your own experience.

DISCRIMINATION POINTS

Bench test your detector in an area free of metal and electrical interference. For each item, return the DISC control to "0" and rotate the knob while passing each item below the searchcoil. Stop the knob when the item no longer signals or the sound character becomes broken. This number will be a discrimination reference point. It will not be possible for you to test all items on the list, but this will give you an idea what different levels of discrimination will do to your target. The items below are in order of conductivity. Please note the good items mixed with the trash items.

- _____ COMMON NAIL
- _____ FOIL
- _____ THIN RINGS (14K)
- _____ "TAB" OF PULLTAB
- _____ THIN RINGS (10K)
- _____ MEDIUM RINGS (14K)
- _____ NICKEL COIN (5 CENTS)
- _____ PULLTAB (WHOLE)
- _____ \$2.5 GOLD COIN
- _____ "RING" FROM PULLTAB
- _____ THICK WEDDING BAND (14K)
- _____ THIN RING (STERLING SILVER)
- _____ 3-CENT COIN (SILVER)
- _____ SQUARE TAB
- _____ \$5 GOLD COIN
- _____ SMALL CLASS RING (10K)
- _____ INDIAN HEAD CENT
- _____ SCREWCAP (ALUMINUM)
- _____ HALF-DIME (SILVER)
- _____ ZINC CENT (COPPER PLATED)
- _____ LARGE CLASS RING 10K
- _____ 2-CENT COIN
- _____ ½ REALE COIN (SILVER)
- _____ BARBER DIME
- _____ "WHEAT" CENT
- _____ HALF-CENT (COPPER)
- _____ \$20 GOLD COIN
- _____ CLAD DIME
- _____ 1 REALE COIN (SILVER)
- _____ MERCURY/ROOSEVELT DIME (SILVER)
- _____ LARGE CENT (COPPER)
- _____ CLAD QUARTER
- _____ QUARTER (SILVER)
- _____ HALF-DOLLAR (SILVER)
- _____ DOLLAR COIN (SILVER)

WARRANTY

Record Your:

Date of Purchase:

Dealer Name/Address:

HEADHUNTER Model: DIVER WADER PULSE
 LANDPRO

Serial Number:

DetectorPro warrants to the original consumer purchaser that your **DetectorPro** metal detector will be free from defects in materials and workmanship under normal use for two years (24 months) from the original date of purchase. If your **DetectorPro** detector fails due to defects in material or workmanship, **DetectorPro** will repair or replace at its option all necessary parts without charges for parts or labor.

This warranty gives you specific legal rights, and you may have other legal rights that vary from state to state. The warranty is non-transferable. Your warranty registration card must be sent in 10 days from date of purchase to validate your warranty.

The warranty excludes batteries, cable breakage due to improper flexing, wear on searchcoil housing, and wear of cable protection. Also excluded are metal detectors that have been abused, altered, or repaired by an unauthorized party. Opening electronics side of headphones and tampering will void warranty.



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SPECIFICATIONS



HEADHUNTER

L A N D P R O

Operating Search Frequency: 2.4 Khz¹

Searchcoil: 8" Concentric, Co-Planar, RF Shielded²

Probe: 5/8" dia. x 8" long, shaft mounted with coil cord

Audio Frequency: 400Hz

Headphone Transducer: Piezo Electric

Search Mode: Silent search, Slow Motion Discrimination

Operating Environments: Land, Beaches

Length: 43 to 53"

Weight w/Batteries: 3.5 Pounds

Batteries: (2) 9-Volt Carbon Zinc, Alkaline, or Rechargeable

Battery Life: up to 50 hours³

Warranty: 2 years

NOTES:

1. Quartz Crystal Controlled
2. Insulated against static interference
3. When alkaline batteries are used in the detector
4. Specifications subject to change without notice

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