



Treasure Hunter Platinum
Weatherproof Pro-Metal Detector with
Integrated Circuitry Headphones
PHMD4



www.pyleaudio.com

OWNER'S INSTRUCTION MANUAL

The Treasure Hunter Platinum detector has all the professional circuitry built into the headphones. The metal detector is water resistant and weatherproof. It is a superior unit made to last for years of treasure seeking fun for the professional or beginner.

SPECIFICATIONS

Operating Search Frequency: 2.4KHZ

Search-coil: 7.8 inch Concentric, Waterproof

Audio Frequency: 400HZ

Operating Environments: Land, Seaside, River, Rain, Shallow Water

Water Resistant: Detecting in rain and accidental submergence in water acceptable

Length: Adjustable from: 39.4 inch to 47.3 inch

Battery: a 9-volt Alkaline (not included)

Battery Life: Up to 20 hours

Low Battery Indicator: When the speaker sounds a long tone, it's time to replace the battery.

FEATURES

Your metal detector has all the circuitry built into the headphones. By eliminating a control housing, weight of the detector is significantly reduced and so is easy for you to operate. When you travel, the Treasure Hunter also takes up very little room.

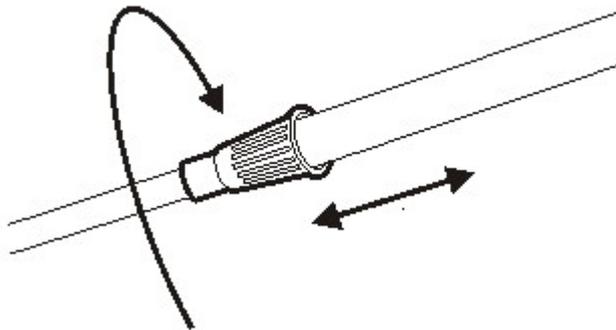
The metal detector utilizes sweep motion search. It means you have to move the search-coil to find your metal targets.

The metal detector is water resistant, it can be used in rain and can be accidentally dropped in water, but not used for scuba diving. However, the search-coil can be submerged in water.

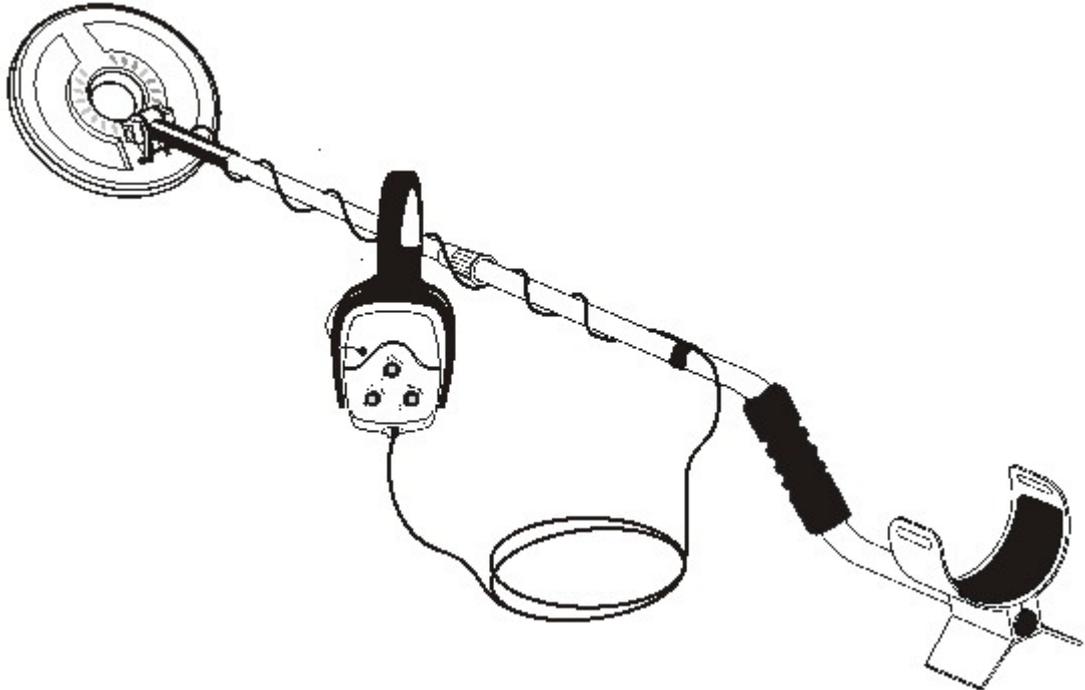
ASSEMBLY

Assembling your metal detector is easy and requires no special tools. Just follow these steps:

1. Rotate the stem's lock nut clockwise to loosen it. Insert the stem and align the holes on the search-coil bracket and the stem, then rotate the stem's lock nut counterclockwise to tighten it.(see Figure 1)



2. Wind the search-coil cable around the stem. Use the nylon on the stem to fasten the cable.(see Figure 2)



3. Rotate the stem's lock nut clockwise to loosen it. Stand and stretch your arm, holding your metal detector to make the search-coil hovers above the ground for about 1 inch. Rotate the stem's lock nut counterclockwise to tighten it.
4. Loosen the knob at the search-coil's end, and adjust the search-coil angle to the desired angle so that it is parallel with the ground. Then tighten the knob.

INSTALLING THE BATTERY

Your metal detector operates with a 9-volt battery(not supplied).The battery –compartment is located in the headphones. Please make sure the power switch is in the “OFF” position before installing the battery. Place a coin into the slot on the ear-cup and turn until the cup “pops” open exposing the battery compartment.(see Figure 3)



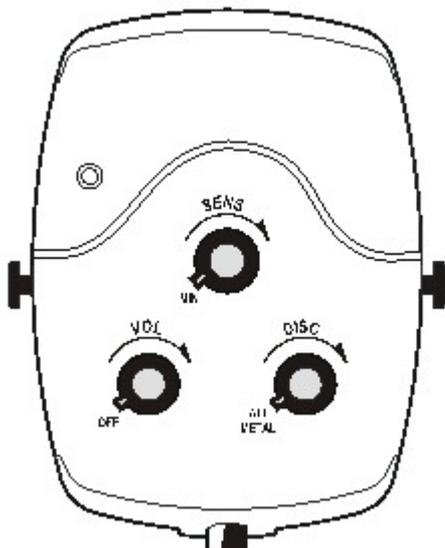
Place a 9V battery into the battery-compartment matching the polarity symbols(+ and -) that are marked inside and reinstall the battery cover. Then carefully align the ear-cup halves and press until a solid “snap” is heard.

NOTES: If you don't plan to use the unit for a week or more, please remove the battery. Please make sure use an alkaline batteries. With fresh alkaline batteries you can use unit for more than 20 hours.

CONTROLLERS

The metal detector has three controllers located in one sealed ear-cup of the headphones.

Batteries are located in the opposite ear-cup.(see Figure 4)



The Discrimination(DISC) and Sensitivity(SENS) have “stay-put” segmented position adjustments. Segmented controls allow the operator to make adjustment without removing the headphones to view the position numbers.

1. VOLUME CONTROL(VOL)

“VOL” regulates the loudness of target response. The volume control adjustment is continuous and not segmented.

“VOL” has a power switch (ON-OFF).Through the “VOL” control, you can easily power on or power off your detector.

2. DISCRIMINATION CONTROL(DISC)

“DISC” can help you to discriminate the target type. Rotate the ”DISC” counterclockwise, the beginning position is ALL METAL. In this mode, the unit will respond with a “di-di” tone to all kinds of metal. Slowly rotate the “DISC” control clockwise, the ferrous metal objects will be rejected first. The unit will sound a short tone, or will be silent to ferrous metal objects. This means the ferrous metal is rejected. Rotate the “DISC” control further clockwise, the unit will reject more objects you don’t want. The rejected metals in order of conductivity are: iron, zinc, copper and aluminum. When the “DISC” is set to max, most metal objects are rejected, except silver, the unit will respond with “di” to silver.

Most of the metal targets are alloy. A lot of factors will influence the detection results, such as the different environments, size of the targets. You should detect patiently and correctly and practice more times to determine the type of targets. The rejected metals in order are iron, nickel coin(5 ¢), pull tab, zinc coin(1 ¢ 87 version),copper(1 ¢ 76 version) and aluminum coin. Notes: silver coin(25 ¢ ,50 ¢ and 1 \$) will not be rejected.

It’s better to test your metal detector on a table before you use it the first time. Place the detector on a wooden or plastic table, and adjust the search-coil so the flat part points upwards. Please take off your watch, ring or other metal objects on your hand or arm. Sweep a sample of the material you want the detector to find about 3 inches above the flat face of the search-coil. Slowly rotate “DISC” knob clockwise, you can pinpoint the rejection point.

In general use, you can set the DISC to ALL METAL position. When you detect a target, rotate the “DISC” till you could determine the type of the target.

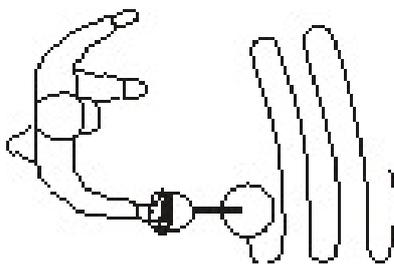
3. SENSITIVITY CONTROL(SENS)

“SENS” is used for setting the sensitivity of the detector. In general use, you can set the “SENS” to a higher and have no interference. Slowly rotate the “SENS” clockwise. When you hear some sound signals, rotate it counterclockwise a little. This will be the discrimination reference position.

OPERATION

1. Wear your headphones. If you are operating the detector with your left hand, you should wear the control ear-cup on the right side, thus giving your right hand the freedom to make adjustments.

2. Turn the headhunter pirate power on. Set volume to a desired level. This can be accomplished by passing a coin back and forth under the search-coil.
3. Rotate the “SENS” clockwise till some solid sounding audio is heard.
4. Then rotate it counterclockwise a little till the audio signal is disappeared.
5. Set the “DISC” to ALL METAL position, in case it will reject some metal targets you want.
6. Keep the search-coil be parallel with the ground,-and about 1/2 to 1 inch above the surface. Sweep the search-coil in a side-to-side motion. When you find metal targets, the metal detector will respond with “di-di” tone.(see Figure 5)



7. Slowly rotate “DISC” clockwise till “di-di” tone disappears, you may determine the type of the metal targets.
8. By the following operation, you can pinpoint the location of the targets. First raise the search-coil off the target, slowly sweep the search-coil until the unit sounds a “di-di” tone. Then you pass 90 degrees, slowing sweep the search-coil, keep the sweeping direction of this time in an opposing direction with the last time, you can also hear a “di-di” tone. The intersection of the two “di-di” tones is the appropriate position of the target.
9. Retrieving targets submerged in water is more difficult than on land. If you are wading in the surf, make sure you use some kind of sand scoop. This will make you easier to dig out the targets.
10. This ear-cup is O-ring sealed. Be sure to carefully clean the O-ring, lubricate O-ring sparingly with silicone grease only. Do not use Vaseline.
11. Always thoroughly rinse your headhunter pirate in fresh water after using in salt water. Store your detector in a dry and cool place.

CARE AND MAINTENANCE

Your metal detector is an example of our superior design and craftsmanship. The following suggestions will help you care for your metal detector so you can enjoy it for years.



Handle the detector gently and carefully. Dropping it can damage circuit boards, cases, and can cause the detector to malfunction.



Use the detector only in normal temperature environments. Extreme temperatures can shorten the life of electronic devices and/or damage the cases of the detector.



Keep the detector away from dust and dirt, which can cause premature wear of parts.



Wipe the detector with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the detector.

